

# MDSP rabbit pAb

Cat No.:ES14986

For research use only

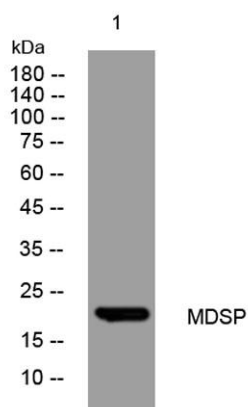
## Overview

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name             | MDSP rabbit pAb                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Host species             | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Applications             | WB                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Species Cross-Reactivity | Human; Mouse                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Recommended dilutions    | WB 1: 500-2000                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Immunogen                | Synthesized peptide derived from human MDSP AA range: 48-98                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity              | This antibody detects endogenous levels of MDSP at Human/Mouse                                                                                                                                                                                                                                                                                                                                                                   |
| Formulation              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                          |
| Storage                  | Store at -20°C. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                               |
| Protein Name             | MDSP                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Name                | DUSP13 BEDP MDSP                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Cellular localization    | Cytoplasm .                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Purification             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                            |
| Clonality                | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Concentration            | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Observed band            |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Human Gene ID            | 51207                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Human Swiss-Prot Number  | Q6B8I1                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Alternative Names        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Background               | Members of the protein-tyrosine phosphatase superfamily cooperate with protein kinases to regulate cell proliferation and differentiation. This superfamily is separated into two families based on the substrate that is dephosphorylated. One family, the dual specificity phosphatases (DSPs) acts on both phosphotyrosine and phosphoserine/threonine residues. This gene encodes different but related DSP proteins through |





the use of non-overlapping open reading frames, alternate splicing, and presumed different transcription promoters. Expression of the distinct proteins from this gene has been found to be tissue specific and the proteins may be involved in postnatal development of specific tissues. A protein encoded by the upstream ORF was found in skeletal muscle, whereas the encoded protein from the downstream ORF was found only in testis. In mouse, a similar pattern of expression was found. Multiple alternatively spliced transcript variants were described, but the full-length sequence of only some were determined. [provided by RefSeq, Jul 2008],



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night

