

## TRAP230 rabbit pAb

## Cat No.:ES8147

For research use only

## Overview

| Product Name                 | TRAP230 rabbit pAb                                  |         |
|------------------------------|---|---------|
| Host species                 | Rabbit  |         |
| Applications                 | IHC;IF;WB;ELISA                                     |         |
| Species Cross-Reactivity     | Human;Rat;Mouse;                                    |         |
| Recommended dilutions        | WB 1:500-2000 Immunohistochemistry: 1/100 -         |         |
|                              | 1/300. ELISA: 1/5000. Not yet tested in other       |         |
|                              | applications.                                       |         |
| Immunogen                    | The antiserum was produced against synthesized      |         |
|                              | peptide derived from human MED12. AA                |         |
|                              | range:611-660                                       |         |
| Specificity                  | TRAP230 Polyclonal Antibody detects endogenous      |         |
|                              | levels of TRAP230 protein.                          |         |
| 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                 | Mediator of RNA polymerase II transcription subunit |         |
|                              | 12  |         |
| Gene Name                    | MED12   |         |
| <b>Cellular localization</b> | Nucleus .   |         |
| 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                | 9968  |         |
| Human Swiss-Prot Number      | Q93074  |         |
| Alternative Names            | MED12; ARC240; CAGH45; HOPA; KIAA0192;              |         |
|                              | TNRC11; TRAP230; Mediator of RNA polymerase II      |         |
|                              | transcription subunit 12; Activator-recruited       | , IIIII |
|                              | cofactor 240 kDa component; ARC240; CAG repeat      |         |
|                              | protein 45; Mediator complex subunit 12;            |         |
|                              | OPA-containing prote                                |         |



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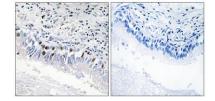
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Background

The initiation of transcription is controlled in part by a large protein assembly known as the preinitiation complex. A component of this preinitiation complex is a 1.2 MDa protein aggregate called Mediator. This Mediator component binds with a CDK8 subcomplex which contains the protein encoded by this gene, mediator complex subunit 12 (MED12), along with MED13, CDK8 kinase, and cyclin C. The CDK8 subcomplex modulates Mediator-polymerase II interactions and thereby regulates transcription initiation and reinitation rates. The MED12 protein is essential for activating CDK8 kinase. Defects in this gene cause X-linked Opitz-Kaveggia syndrome, also known as FG syndrome, and Lujan-Fryns syndrome. [provided by RefSeq, Aug 2009],

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using MED12 Antibody. The picture on the right is blocked with the synthesized peptide.





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