



# Proteasome $\alpha$ 3 rabbit pAb

Cat No.:ES20222

For research use only

## Overview

<b>Product Name</b>	Proteasome $\alpha$ 3 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	WB 1:500-2000;IHC-p 1:50-300
<b>Immunogen</b>	Synthesized peptide derived from human Proteasome $\alpha$ 3 AA range: 190-270
<b>Specificity</b>	This antibody detects endogenous levels of Human,Mouse,Rat Proteasome $\alpha$ 3
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Proteasome $\alpha$ 3
<b>Gene Name</b>	PSMA3 HC8 PSC8
<b>Cellular localization</b>	Cytoplasm . Nucleus . Translocated from the cytoplasm into the nucleus following interaction with AKIRIN2, which bridges the proteasome with the nuclear import receptor IPO9. .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	
<b>Human Gene ID</b>	5684
<b>Human Swiss-Prot Number</b>	P25788
<b>Alternative Names</b>	Proteasome subunit alpha type-3 (EC 3.4.25.1;Macropain subunit C8;Multicatalytic endopeptidase complex subunit C8;Proteasome component C8)
<b>Background</b>	The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings





of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a member of the peptidase T1A family, that is a 20S core alpha subunit. Two alternative transcripts encoding different isoforms have been identified. [provided by RefSeq, Jul 2008],

Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

