



# 20S Proteasome $\alpha$ 3 (phospho Ser250) rabbit pAb

Cat No.:ES6856

For research use only

---

## Overview

<b>Product Name</b>	20S Proteasome $\alpha$ 3 (phospho Ser250) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Proteasome alpha3 around the phosphorylation site of Ser250. AA range:206-255
<b>Specificity</b>	Phospho-20S Proteasome $\alpha$ 3 (S250) Polyclonal Antibody detects endogenous levels of 20S Proteasome $\alpha$ 3 protein only when phosphorylated at S250.
<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 subunit alpha type-3
<b>Gene Name</b>	PSMA3
<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>	32kD
<b>Human Gene ID</b>	5684
<b>Human Swiss-Prot Number</b>	P25788



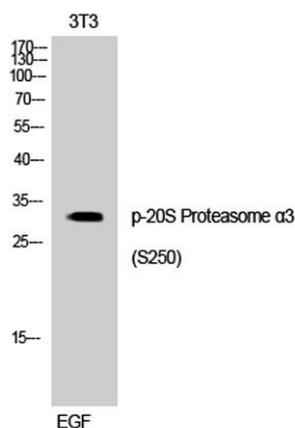


### Alternative Names

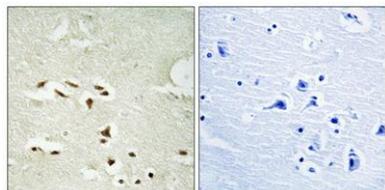
PSMA3; HC8; PSC8; Proteasome subunit alpha type-3; Macropain subunit C8; Multicatalytic endopeptidase complex subunit C8; Proteasome component C8

### Background

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],



Western Blot analysis of 3T3 cells using Phospho-20S Proteasome  $\alpha$ 3 (S250) Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4<sup>o</sup> overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by i



