Proteasome α3 (Phospho-Ser250) Antibody

Catalog No: #12113

Package Size: #12113-1 50ul #12113-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

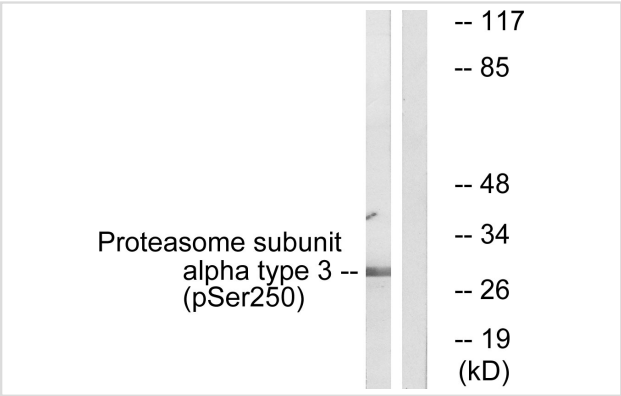
Description

Product Name	Proteasome α3 (Phospho-Ser250) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of Proteasome α3 only when phosphorylated at serine 250.
Immunogen Type	peptide
Immunogen Description	Peptide sequence around phosphorylation site of serine 250 (D-E-S(p)-D-D) derived from Human Proteasome α3.
Target Name	Proteasome α3
Modification	Phospho
Other Names	EC 3.4.25.1; Macropain subunit C8; Multicatalytic endopeptidase complex subunit C8; proteasome component C8; Proteasome subunit alpha type 3; PSA3; PSC8
Accession No.	Swiss-Prot#:P25788;NCBI Gene#:5684
Uniprot	P25788
GeneID	5684;
SDS-PAGE MW	32kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from 3T3 cells, treated with EGF (200ng/ml, 30mins), using Proteasome α3 (Phospho-Ser250) antibody #12113. The lane on the right is treated with the synthesized peptide.

Background

The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. Binds to the C-terminus of CDKN1A and thereby mediates its degradation. Negatively regulates the membrane trafficking of the cell-surface thromboxane A2 receptor (TBXA2R) isoform 2.

Note: This product is for in vitro research use only