Product Datasheet

20S Proteasome α3 (Phospho-Ser250) Antibody

Catalog No: #14120

Package Size: #14120-1 50ul #14120-2 100ul

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

Description

Product Name	20S Proteasome α3 (Phospho-Ser250) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB;IHC;IF;ELISA
Species Reactivity	Human;Mouse;Rat
Specificity	Phospho-20S Proteasome α3 (S250) Polyclonal Antibody detects endogenous levels of 20S Proteasome α3 protein only when phosphorylated at S250.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human Proteasome alpha3 around the phosphorylation site of Ser250. AA range:206-255
Conjugates	Unconjugated
Other Names	PSMA3; HC8; PSC8; Proteasome subunit alpha type-3; Macropain subunit C8; Multicatalytic endopeptidase complex subunit C8; Proteasome component C8
Accession No.	Swiss Prot:P25788GeneID:5684
Calculated MW	32 kDa
SDS-PAGE MW	32 kDa
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

Application Details

WB 1:500-1:2000; IHC 1:100-1:300; ELISA 1:10000; IF 1:50-200

Background

proteasome subunit alpha 3(PSMA3) Homo sapiens 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],

Published Papers

Jiang Yixuan, Wang Bin el at., Sensory neuron TRPV1-mediated macrophage polarization and immune response regulate dental implant osseointegration, Tissue & cell, (2025)

PMID:41297248

Note: This product is for in vitro research use only and is not intended for use in humans or animals.