

Proteasome beta 8 Rabbit mAb

Catalog # AP75678

Product Information

Application	WB, IP, ICC
Primary Accession	P28062
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	30354

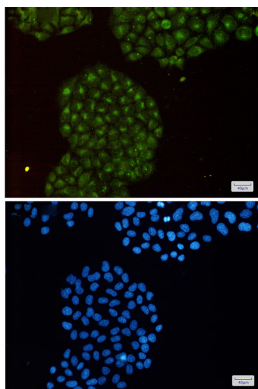
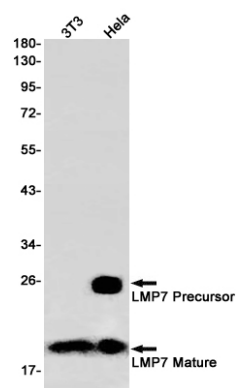
Additional Information

Gene ID	5696
Other Names	PSMB8
Dilution	WB~~1/500-1/1000 IP~~N/A ICC~~N/A
Format	Liquid

Protein Information

Name	PSMB8
Synonyms	LMP7, PSMB5i, RING10, Y2
Function	<p>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. This subunit is involved in antigen processing to generate class I binding peptides. Replacement of PSMB5 by PSMB8 increases the capacity of the immunoproteasome to cleave model peptides after hydrophobic and basic residues. Involved in the generation of spliced peptides resulting from the ligation of two separate proteasomal cleavage products that are not contiguous in the parental protein (PubMed:27049119). Acts as a major component of interferon gamma-induced sensitivity. Plays a key role in apoptosis via the degradation of the apoptotic inhibitor MCL1. May be involved in the inflammatory response pathway. In cancer cells, substitution of isoform 1 (E2) by isoform 2 (E1) results in immunoproteasome deficiency. Required for the differentiation of preadipocytes into adipocytes.</p>
Cellular Location	Cytoplasm {ECO:0000255 PROSITE-ProRule:PRU00809}. Nucleus

Images



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