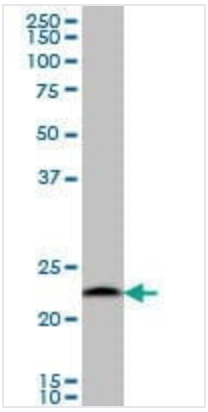
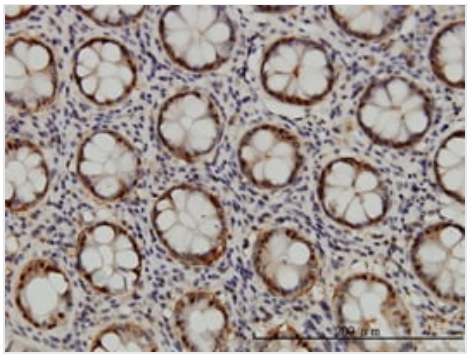
PSMB6 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

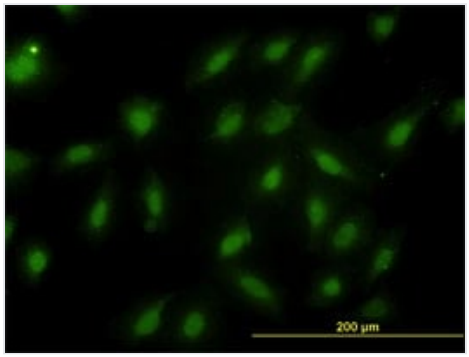
Product Name	PSMB6, Monoclonal Antibody
Full Product Name	PSMB6 (Proteasome Subunit beta Type-6, Proteasome delta Chain, Macropain delta Chain, Multicatalytic Endopeptidase Complex delta Chain, Protea
Product Gene Name	anti-PSMB6 antibody
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	S51
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human PSMB6.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo cap.
Immunogen	Full length recombinant corresponding to human PSMB6, aa1-240 (AAH00835) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MAATLLAARGAGPAPAWGPEAFTPDWESREVSTGTTIMAVQFDGGVVLGADSRTTTGSYIANRVTDKLTPIHDRIFCCRSGSAADTQAVADAVTYQLGFH
Conjugate	PE
Product Categories/Family for anti-PSMB6 antibody	Antibodies; Proteasomes
Applications Tested/Suitable for anti-PSMB6 antibody	ELISA (EIA), Immunofluorescence (IF), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-PSMB6 antibody	IF: 10ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-PSMB6 antibody	MBS6159701 is an antibody targeting PSMB6. Also known as PSMB6 (Proteasome Subunit beta Type-6, Proteasome delta Chain, Macropain delta Ch
Other Notes	Small volumes of anti-PSMB6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces



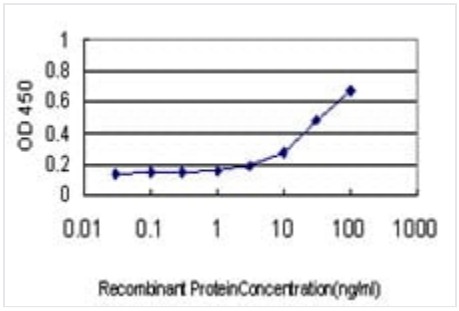
Western Blot (WB) of anti-PSMB6 antibody
PSMB6 monoclonal antibody Western Blot analysis of PSMB6 expression in A-431.



Immunohistochemistry (IHC) of anti-PSMB6 antibody
Immunoperoxidase of monoclonal antibody to PSMB6 on formalin-fixed paraffin-embedded human colon. [antibody concentration 1ug/ml]



Immunofluorescence (IF) of anti-PSMB6 antibody
Immunofluorescence of monoclonal antibody to PSMB6 on HeLa cell. [antibody concentration 10ug/ml]



Testing Data of anti-PSMB6 antibody
Detection limit for recombinant GST tagged PSMB6 is ~0.3ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PSMB6. It may not necessarily be applicable to this product.

NCBI GI #	34783069
NCBI GeneID	5694
NCBI Accession #	BC000835
NCBI Related Accession #	AAH00835
UniProt Related Accession #	P28072
NCBI Official Full Name	Homo sapiens proteasome (prosome, macropain) subunit, beta type, 6, mRNA
NCBI Official Synonym Full Names	proteasome 20S subunit beta 6
NCBI Official Symbol	PSMB6
NCBI Official Synonym Symbols	Y; LMPY; DELTA
Protein Family	Proteasome
NCBI Protein Information	proteasome subunit beta type-6
NCBI Summary for PSMB6	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. The encoded protein is a member of the proteasome B-type family, also known as the T1B family, and is a 20S core beta subunit in the proteasome. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]

Research Articles on PSMB6	**1.** results indicate ZAG as a possible predictive marker of Gleason grade. The inverse association between grade and tissue expression with a rising serum protein level is similar to that seen with prostate-specific antigen. In addition, the results for both ZAG and PSMB-6 highlight the challenges in trying to associate the protein levels in serum with tissue expression
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