

Datasheet for ABIN7601899
anti-PSMB6 antibody (AA 50-201)



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Overview

Quantity:	100 µg
Target:	PSMB6
Binding Specificity:	AA 50-201
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMB6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Proteasome 20S beta 6/PSMB6 Antibody Picoband®
Immunogen:	E.coli-derived human PSMB6 recombinant protein (Position: A50-D201).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Proteasome 20S beta 6/PSMB6 Antibody Picoband® (ABIN7601899). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	PSMB6
Alternative Name:	PSMB6 (PSMB6 Products)
Background:	<p>Synonyms: Protein Hook homolog 3, h-hook3, Hhk3, HOOK3</p> <p>Tissue Specificity: Highly expressed in chromaffin cells of the adrenal medulla (at protein level). Detected in peripheral sympathetic ganglia (at protein level). Found in some paracrine cells in stomach and duodenum (at protein level).</p> <p>Background: Proteasome subunit beta type-6 also known as 20S proteasome subunit beta-1 (based on systematic nomenclature) is a protein that in humans is encoded by the PSMB6 gene. 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.</p>
Molecular Weight:	22 kDa
Gene ID:	5694
UniProt:	P28072
Pathways:	Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat, Monkey</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Akiyama, K., Yokota, K., Kagawa, S., Shimbara, N., Tamura, T., Akioka, H., Nothwang, H. G., Noda, C., Tanaka, K., Ichihara, A. cDNA cloning and interferon gamma down-regulation of proteasomal subunits X and Y. Science 265: 1231-1234, 1994. 2. Belich, M. P., Glynne, R. J., Senger, G., Sheer, D., Trowsdale, J. Proteasome components with reciprocal expression to that of the MHC-encoded LMP proteins. Curr. Biol. 4: 769-776, 1994. 3. Coux, O., Tanaka, K., Goldberg, A. L. Structure and functions of the 20S and 26S proteasomes. Ann. Rev. Biochem. 65: 801-847, 1996.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.