

Datasheet for ABIN2788031

anti-PSMD9 antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	PSMD9
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Horse, Rabbit, Cow, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMD9 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PSMD9
Sequence:	QVRTARHNII CLQNDHKAVM KQVEEALHQL HARDKEKQAR DMAEAHKEAM
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against PSMD9. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	PSMD9
Alternative Name:	PSMD9 (PSMD9 Products)

Target Details

Background:	<p>The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core 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. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase 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 non-ATPase subunit of the 19S regulator.</p> <p>Alias Symbols: MGC8644, Rpn4, p27</p> <p>Protein Interaction Partner: PSMC6, PSMC3, TRIM42, CCDC136, TRIM39, BANP, NCKIPSD, AHCYL1, ELSPBP1, HNRNPA1, CSH1, SHFM1, UBC, TNF, PSMB4, CHUK, TMOD3, PABPC1, TWF2, GNPDA1, XPNPEP1, PYGL, PFKL, P4HB, HNRNPH1, HNRNPF, H2AFZ, AMOTL2, PARK2, BAG3, TNIP2, NUDCD2, DSTN, CPLX1, CD2BP2, UB</p> <p>Protein Size: 223</p>
Molecular Weight:	25 kDa
Gene ID:	5715
NCBI Accession:	NM_002813 , NP_002804
UniProt:	O00233
Pathways:	Positive Regulation of Peptide Hormone Secretion , Negative Regulation of Hormone Secretion , Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA , Ubiquitin Proteasome Pathway

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 223 AA
Restrictions:	For Research Use only

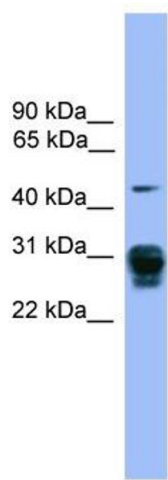
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-PSMD9 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: 293T cell lysate