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PSMA8 Rabbit pAb

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Catalog # AP57530

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8TAA3
Predicted	Rat, Pig, Human, Mouse, Rabbit, Dog, Horse, Sheep, Opossum
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28530
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PSMA8
Epitope Specificity	121-220/256
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Nucleus.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	143471
Other Names	Proteasome subunit alpha-type 8, Proteasome alpha 4 subunit, Proteasome subunit alpha-type 7-like, PSMA8, PSMA7L
Dilution	WB=1:500-2000,IHC-P=1:200-500,IHC-F=1:200-500,ICC/IF=1:100-500,IF=1:200-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PSMA8
Synonyms	PSMA7L
Function	Component of the spermatoproteasome, a proteasome specifically found in testis that promotes acetylation-dependent degradation of histones, thereby participating actively to the exchange of histones during spermatogenesis. The proteasome is a protein complex that degrades unneeded or damaged

	proteins by proteolysis, a chemical reaction that breaks peptide bonds. Required for 20S core proteasome assembly, essential for the degradation of meiotic proteins RAD51 and RPA1 at late prophase I and the progression of meiosis I during spermatogenesis. Localizes to the synaptonemal complex, a 'zipper'-like structure that holds homologous chromosome pairs in synapsis during meiotic prophase I.
Cellular Location	Nucleus {ECO:0000250|UniProtKB:Q9CWH6}. Note=Localizes to the central region of the synaptonemal complex {ECO:0000250|UniProtKB:Q9CWH6}

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.