

Rabbit PSMA3 Polyclonal Antibody | anti-PSMA3 antibody

Anti-PSMA3 Antibody

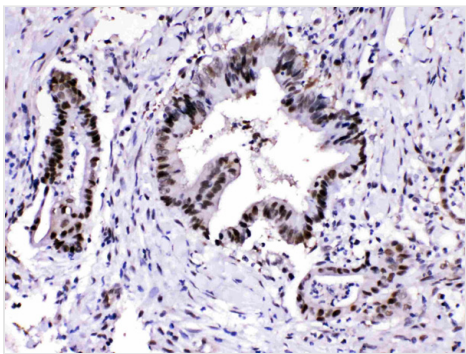
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46845	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

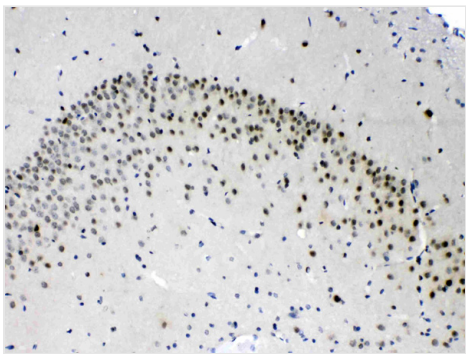
PSMA3; Polyclonal Antibody; Anti-PSMA3 Antibody; HC8; Macropain subunit C8; PSC8; psmA3; P25788; Proteasome subunit alpha type-3; proteasome subunit alpha 3; anti-PSMA3 antibody

PRODUCT SPECIFICATIONS

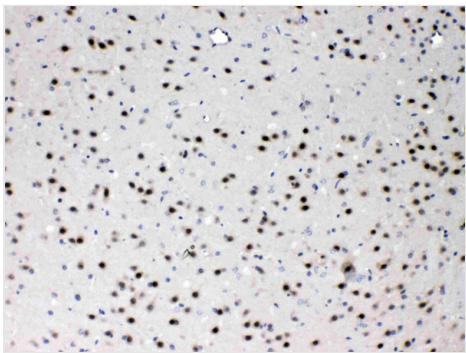
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	255
Applicable Applications for anti-PSMA3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human PSMA3 (88-127aa LADIAREEASNFRSNGYNIPLKHLADRVAMYVHAYTLYS), identical to the related mouse and rat sequences.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



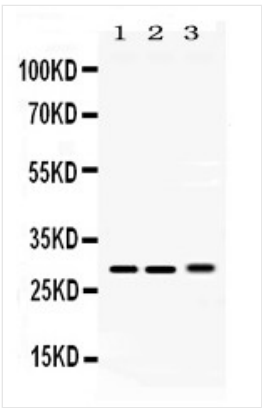
IHC (Immunohistochemistry)
PSMA3 was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti-PSMA3 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)
PSMA3 was detected in paraffin-embedded sections of rat brain tissues using rabbit anti-PSMA3 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)
PSMA3 was detected in paraffin-embedded sections of mouse brain tissues using rabbit anti-PSMA3 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of PSMA3 expression in rat testis extract (lane 1), mouse lung extract (lane 2) and 293T whole cell lysates (lane 3). PSMA3 at 28KD was detected using rabbit anti-PSMA3 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMA3 antibody	Rabbit IgG polyclonal antibody for Proteasome subunit alpha type-3(PSMA3) detection. Background: Proteasome subunit alpha type-3, also known as macropain subunit C8 and proteasome component C8, is a protein that in humans is encoded by the PSMA3 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. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a member of the peptidase T1A family, that is a 20S core alpha subunit. Two alternative transcripts encoding different isoforms have been identified.
References	1. Coux O, Tanaka K, Goldberg AL (Nov 1996). "Structure and functions of the 20S and 26S proteasomes". Annu Rev Biochem 65: 801-47. 2. Tamura T, Lee DH, Osaka F, Fujiwara T, Shin S, Chung CH, Tanaka K, Ichihara A (Jun 1991). "Molecular cloning and sequence analysis of cDNAs for five major subunits of human proteasomes (multi-catalytic proteinase complexes)". Biochim Biophys Acta 1089 (1): 95-102.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506183
NCBI GeneID	5684
NCBI Accession #	NP_002779.1

NCBI GenBank Nucleotide #	NM_002788.3
UniProt Accession #	P25788 ; Q86U83 ; Q8N1D8 ; Q9BS70 ; B2RCK6
Molecular Weight	27,647 Da
NCBI Official Full Name	proteasome subunit alpha type-3 isoform 1
NCBI Official Synonym Full Names	proteasome subunit alpha 3
NCBI Official Symbol	PSMA3
NCBI Official Synonym Symbols	HC8; PSC3
NCBI Protein Information	proteasome subunit alpha type-3
UniProt Protein Name	Proteasome subunit alpha type-3
UniProt Gene Name	PSMA3
UniProt Synonym Gene Names	HC8; PSC8

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/psma3-antibody-immunohistochemistry-western-blot-elisa/46845>