

Rabbit STEAP1 Polyclonal Antibody | anti-STEAP1 antibody

STEAP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40219	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

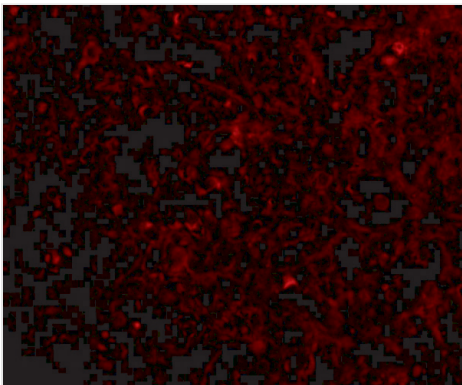
PRODUCT SYNONYMS

STEAP1; Polyclonal Antibody; STEAP1 Antibody; STEAP; PRSS24; Metalloreductase STEAP1; Six-transmembrane epithelial antigen of prostate 1; six transmembrane epithelial antigen of the prostate 1; anti-STEAP1 antibody

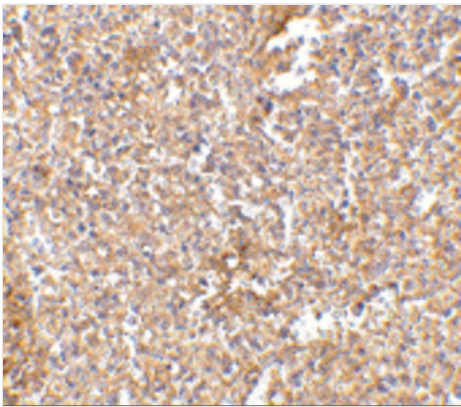
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	This STEAP1 antibody does not cross-react with other STEAP proteins.
Purity/Purification	STEAP1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	486
Applicable Applications for anti-STEAP1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	STEAP1 antibody was raised against a 16 amino acid synthetic peptide from near the center of human STEAP1.
Buffer	STEAP1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	STEAP1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

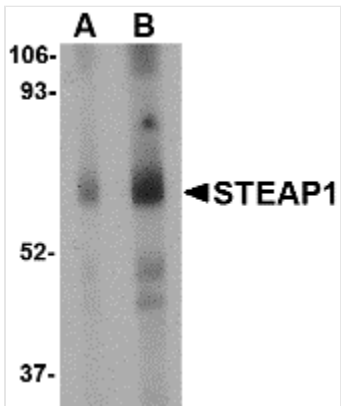
IMAGES



IF (Immunofluorescence)
Immunofluorescence of STEAP1 in human spleen tissue with STEAP1 antibody at 20 μ g/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of STEAP1 in human spleen tissue with STEAP1 antibody at 2.5 μ g/mL.



WB (Western Blot)
Western blot analysis of STEAP1 in human spleen tissue lysate with STEAP1 antibody at (A) 1 and (B) 2 μ g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-STEAP1 antibody

STEAP1 Antibody: The six-transmembrane epithelial antigen of prostate 1 (STEAP1) was the first member of a family of metalloreductases identified as cell-surface antigens in prostate tissue. The normal function of STEAP is still uncertain; unlike other members of the STEAP family, STEAP1 does not promote iron or copper reduction or uptake and lacks the FNO-like reductase domain critical for activity. However, its expression is highly increased in multiple cancer cell lines, including prostate, bladder, colon, and ovarian cancers. Supporting this is evidence that STEAP1 peptides can be used to stimulate CD8+ T cells from healthy donors, enabling them to recognize STEAP1-positive human tumor cells, suggesting that STEAP1 may a potential target for cancer immunotherapy. At least three isoforms of STEAP1 are known to exist.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51094921
NCBI GeneID	392745
UniProt Accession #	Q9UHE8; O95034; A4D1E0
Molecular Weight	39,851 Da
NCBI Official Full Name	similar to Six transmembrane epithelial antigen of prostate
UniProt Protein Name	Metalloreductase STEAP1
UniProt Gene Name	STEAP1

UniProt Synonym Gene Names	PRSS24; STEAP
UniProt Entry Name	STEAP1_HUMAN

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/steap1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40219>