

Rabbit STEAP1 Polyclonal Antibody | anti-STEAP1 antibody

STEAP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA305364	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

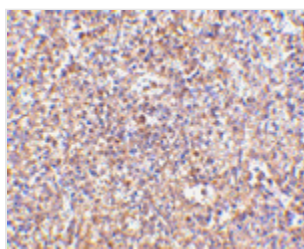
PRODUCT SYNONYMS

STEAP1; Polyclonal Antibody; STEAP1 Antibody; Six transmembrane epithelial antigen of prostate 1; STEAP; anti-STEAP1 antibody

PRODUCT SPECIFICATIONS

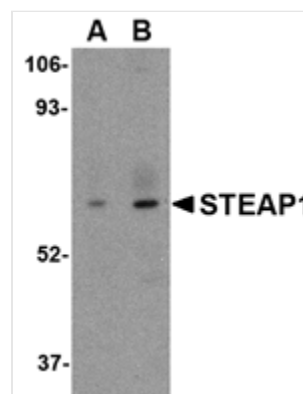
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	This STEAP1 antibody does not cross-react with other STEAP proteins.
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	486
Applicable Applications for anti-STEAP1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 18 amino acid peptide from near the carboxy terminus of human STEAP1.
Target Name	STEAP1
Preparation and Storage	Can be stored at -20 degree C, stable for 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



IHC (Immunohistochemistry)

Immunohistochemistry of STEAP1 in human spleen tissue with STEAP1 antibody at 2.5 ug/mL.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-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.
Product Categories/Family for anti-STEAP1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	51094921
NCBI GeneID	392745
Molecular Weight	55,231 Da
NCBI Official Full Name	similar to Six transmembrane epithelial antigen of prostate
UniProt Protein Name	Similar to Six transmembrane epithelial antigen of prostate
UniProt Gene Name	LOC392745
UniProt Entry Name	A4D1F3_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-immunohistochemistry-western-blot-elisa/305364>