

Rabbit anti-Human, Rat STEAP1 Polyclonal Antibody | anti-STEAP1 antibody

STEAP1 Antibody

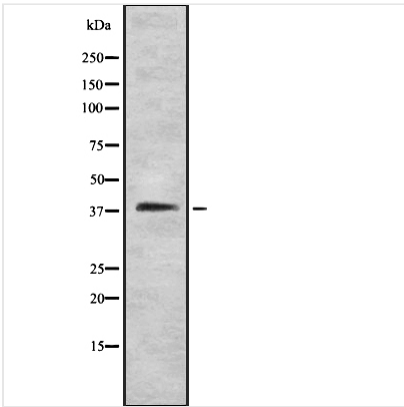
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327552	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

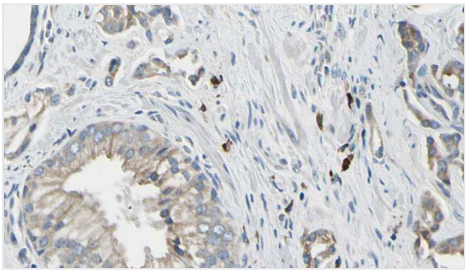
STEAP1; Polyclonal Antibody; STEAP1 Antibody; 2410007B19Rik; EC 1.16.1.-; Metalloreductase STEAP1; MGC19484; PRSS 24; PRSS24; Six transmembrane epithelial antigen of prostate; Six transmembrane epithelial antigen of the prostate 1; Six transmembrane epithelial antigen of the prostate; Six-transmembrane epithelial antigen of prostate 1; STEA1_HUMAN; STEAP 1; Steap; anti-STEAP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	STEAP1 antibody detects endogenous levels of total STEAP1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	339
Applicable Applications for anti-STEAP1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human STEAP1
Subcellular Location	Endosome Membrane.
Tissue Specificity	Ubiquitously expressed. Highly expressed in prostate tumors.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis STEAP1 using HT29 whole cell lysates



IHC (Immunohistochemistry)
AAA327552 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-STEAP1 antibody	Function: Metalloreductase that has the ability to reduce both Fe3+ to Fe2+ and Cu2+ to Cu1+. Uses NAD+ as acceptor (By similarity). Similarity: Belongs to the STEAP family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9558759
NCBI GeneID	26872
NCBI Accession #	NP_036581.1
NCBI GenBank Nucleotide #	NM_012449.2
UniProt Accession #	Q9UHE8; O95034; A4D1E0
Molecular Weight	Observed: 39 kDa Predicted: 40 kDa
NCBI Official Full Name	metalloreductase STEAP1
NCBI Official Synonym Full Names	STEAP family member 1
NCBI Official Symbol	STEAP1
NCBI Official Synonym Symbols	STEAP; PRSS24
NCBI Protein Information	metalloreductase STEAP1
UniProt Protein Name	Metalloreductase STEAP1
UniProt Gene Name	STEAP1
UniProt Synonym Gene Names	PRSS24; STEAP

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.