

Rabbit STEAP4 Polyclonal Antibody | anti-STEAP4 antibody

Rabbit anti-STEAP4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA222730	Rabbit	Human, Monkey, Pig	Immunofluorescence, Immunohistochemistry, Western Blot

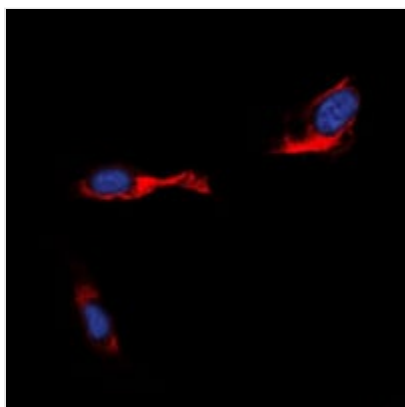
PRODUCT SYNONYMS

STEAP4; Polyclonal Antibody; Rabbit anti-STEAP4 Antibody; STAMP2; TNFAIP9; Metalloreductase STEAP4; Six-transmembrane epithelial antigen of prostate 4; SixTransMembrane protein of prostate 2; Tumor necrosis factor; alpha-induced protein 9; anti-STEAP4 antibody

PRODUCT SPECIFICATIONS

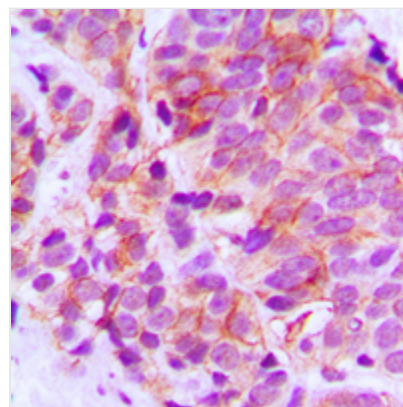
Host	Rabbit
Reactivity	Human, Monkey, Pig
Clonality	Polyclonal
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-STEAP4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human STEAP4. The exact sequence is proprietary.
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.

IMAGES



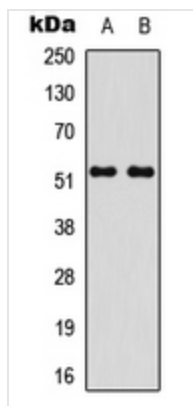
IF (Immunofluorescence)

Immunofluorescent analysis of STEAP4 staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of STEAP4 staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)
Western blot analysis of STEAP4 expression in Jurkat (A), human liver (B) whole cell lysates.

ADDITIONAL INFORMATION

Product Categories/Family for anti-STEAP4 antibody	Primary antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	328887949
NCBI GeneID	79689
NCBI Accession #	NP_001192244.1
NCBI GenBank Nucleotide #	NM_001205315.1
UniProt Accession #	Q687X5; Q658Q9; Q687X4; Q8WWB0; Q9H5R1
Molecular Weight	51,981 Da
NCBI Official Full Name	metalloreductase STEAP4 isoform 1
NCBI Official Synonym Full Names	STEAP family member 4
NCBI Official Symbol	STEAP4
NCBI Official Synonym Symbols	TIARP; STAMP2; TNFAIP9
NCBI Protein Information	metalloreductase STEAP4; six transmembrane prostate protein 2; sixTransMembrane protein of prostate 2; tumor necrosis factor, alpha-induced protein 9; six-transmembrane epithelial antigen of prostate 4; tumor necrosis-alpha-induced adipose-related protein
UniProt Protein Name	Metalloreductase STEAP4
UniProt Gene Name	STEAP4
UniProt Synonym Gene Names	STAMP2; TNFAIP9
UniProt Entry Name	STEAP4_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.