

Mouse anti-Human STEAP1 Monoclonal Antibody | anti-STEAP1 antibody

STEAP1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48032	Mouse	Human	Immunohistochemistry, Immunofluorescence, Western Blot, ELISA

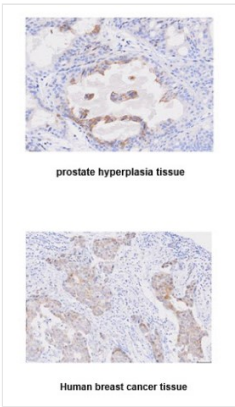
PRODUCT SYNONYMS

STEAP1; Monoclonal Antibody; STEAP1 antibody; six transmembrane epithelial antigen of the prostate 1; six transmembrane epithelial antigen of the prostate; PRSS24; anti-STEAP1 antibody

PRODUCT SPECIFICATIONS

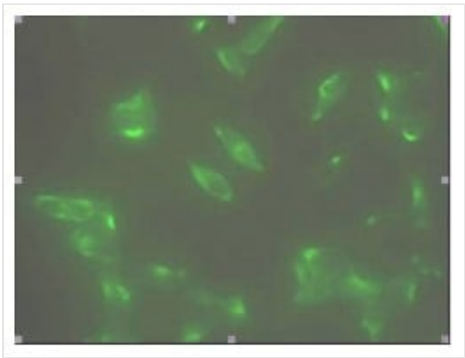
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	J2D2
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	339
Applicable Applications for anti-STEAP1 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human STEAP1 (1-70aa) purified from E. coli
Clone Note	Anti-human STEAP1 mAb, clone J2D2, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human STEAP1 protein.
Preparation and Storage	Aliquot and store between -20 degree C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



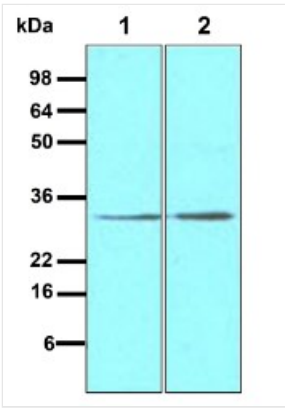
IHC (Immunohistochemistry)

Paraffin embedded sections of human breast cancer and prostate hyperplasia tissue were incubated with anti-human STEAP1 (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine(DAB).



ICC (Immunocytochemistry)

ICC/IF analysis of STEAP1 in LNCap cells. The cell was stained with AAA48032 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



WB (Western Blot)

The cell lysates(30ug) and tissue lysates(30ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human STEAP1 antibody (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.Lane 1.: LNCap cell lysateLane 2.: Mouse Testis Tissue lysate

ADDITIONAL INFORMATION

Related Product Information for anti-STEAP1 antibody	Six-transmembrane epithelial antigen of the prostate (STEAP) is expressed predominantly in human prostate tissue and in other common malignancies including prostate, bladder, colon, and ovarian carcinomas, and in Ewing's sarcoma, suggesting that it could function as an almost universal tumor antigen. Immunohistochemical analysis indicated STEAP-1 localization at cell-cell junctions of the secretory epithelium of prostate and prostate cancer cells. The favorable expression profiling of STEAP-1 in normal and cancer tissues suggested its potential use as a target for immunotherapy.
Product Categories/Family for anti-STEAP1 antibody	Cancer
References	David A. Rodeberg, et al. (2005) Clin Cancer Res. June; 11 (12): 4545-4552.; Pia M. Challita-Eid, et al., (2007) Cancer research June 67 (12): 5798-5805.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9558759
NCBI GeneID	26872
NCBI Accession #	NP_036581
NCBI GenBank Nucleotide #	NM_012449.2

UniProt Accession #	Q9UHE8 ; O95034 ; A4D1E0
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/steap1-antibody-clone-j2d2-immunohistochemistry-immunofluorescence-western-blot-elisa/48032>