

Anti-STEAP2 Antibody

Rabbit Polyclonal Antibody

Catalog # ABV11864

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	Q8NFT2
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	56056

Additional Information

Gene ID	261729
Positive Control	WB: HEK293T, mouse spleen, rat spleen cell lysate; IHC: human colon cancer; IF: HEK293T cells
Application & Usage	WB; 1:500 – 1:2000, IHC; 1:50 – 1:200, IF/IC; 1:50 – 1:100
Alias Symbol	STEAP2
Other Names	PCANAP1, STAMP1, Metalloreductase STEAP2, Prostate cancer-associated protein 1, Protein up-regulated in metastatic prostate cancer, PUMPCn, Six-transmembrane epithelial antigen of prostate 2, SixTransMembrane protein of prostate 1
Appearance	Colorless liquid
Formulation	In 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	Anti-STEAP2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	STEAP2
Synonyms	PCANAP1, STAMP1
Function	Integral membrane protein that functions as a NADPH-dependent ferric-chelate reductase, using NADPH from one side of the membrane to reduce a Fe(3+) chelate that is bound on the other side of the membrane (By

similarity). Mediates sequential transmembrane electron transfer from NADPH to FAD and onto heme, and finally to the Fe(3+) chelate (By similarity). Can also reduce Cu(2+) to Cu(1+) (By similarity).

Cellular Location

Endosome membrane {ECO:0000250 | UniProtKB:Q8BWB6}; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

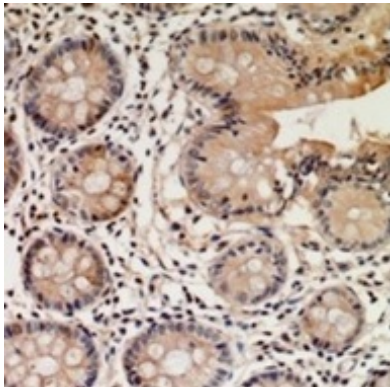
Tissue Location

Expressed at high levels in prostate and at significantly lower levels in heart, brain, kidney, pancreas, and ovary.

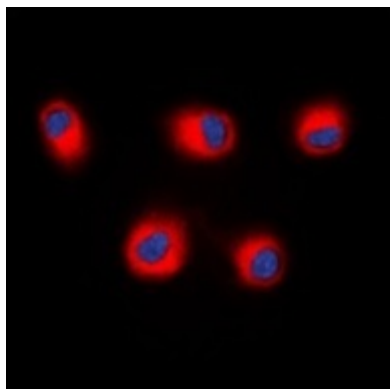
Background

The six-transmembrane epithelial antigen of prostate 2 (STEAP2) is a member of the STEAP family. The STEAP proteins are metalloreductases that has the ability to reduce both Fe³⁺ to Fe²⁺ and Cu²⁺ to Cu¹⁺. Uses NAD⁺ as acceptor

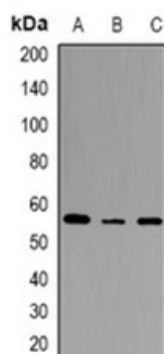
Images



Immunohistochemical analysis of STEAP2 staining in H.colon cancer formalin fixed paraffin embedded tissue section.



Immunofluorescent analysis of STEAP2 staining in HEK293T cells.



Western blot analysis of STEAP2 expression in HEK293T(A); M.splenn(B); R.spleen(C) whole cell lysates.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.