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STEAP1 Polyclonal Antibody

Catalog # AP72640

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q9UHE8
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39851

Additional Information

Gene ID	26872
Other Names	STEAP1; PRSS24; STEAP; Metalloreductase STEAP1; Six-transmembrane epithelial antigen of prostate 1
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications. IHC-P~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

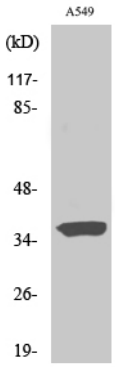
Name	STEAP1
Synonyms	PRSS24, STEAP
Function	Does not function as a metalloreductase due to the absence of binding sites for the electron-donating substrate NADPH. Promotes Fe(3+) reduction when fused to the NADPH-binding domain of STEAP4.
Cellular Location	Endosome membrane {ECO:0000250|UniProtKB:Q9CWR7}; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein
Tissue Location	Ubiquitously expressed. Highly expressed in prostate tumors.

Background

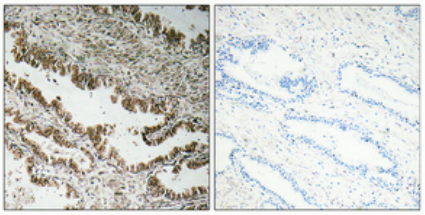
Metalloreductase that has the ability to reduce both Fe(3+) to Fe(2+) and Cu(2+) to Cu(1+). Uses NAD(+) as

acceptor.

Images



Western Blot analysis of various cells using STEAP1 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human prostate cancer. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

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