

# STEAP1 Polyclonal Antibody

Catalog # AP72640

## Product Information

Application	WB, IHC-P
Primary Accession	<a href="#">Q9UHE8</a>
Reactivity	Human
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.
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

## 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

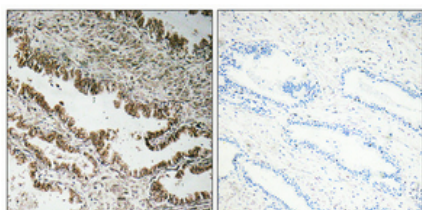
acceptor.

## Images

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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. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

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