

## **STEAP1 Polyclonal Antibody**

Catalog No: YT4457

**Reactivity:** Human; Mouse

**Applications:** WB;IHC;IF;ELISA

Target: STEAP1

**Fields:** >>Mineral absorption

Gene Name: STEAP1

Protein Name: Metalloreductase STEAP1

Q9UHE8

Q9CWR7

Human Gene Id: 26872

**Human Swiss Prot** 

ilulilali Swiss Fio

No:

**Mouse Swiss Prot** 

No:

**Immunogen:** The antiserum was produced against synthesized peptide derived from human

STEAP1. AA range:31-80

**Specificity:** STEAP1 Polyclonal Antibody detects endogenous levels of STEAP1 protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution :** WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

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Observed Band: 36kD

**Background:** This gene is predominantly expressed in prostate tissue, and is found to be

upregulated in multiple cancer cell lines. The gene product is predicted to be a six-transmembrane protein, and was shown to be a cell surface antigen significantly

expressed at cell-cell junctions. [provided by RefSeq, Jul 2008],

**Function:** cofactor:FAD.,function:Metalloreductase that has the ability to reduce both

Fe(3+) to Fe(2+) and Cu(2+) to Cu(1+). Uses NAD(+) as

acceptor., similarity: Belongs to the STEAP family., similarity: Contains 1 ferric oxidoreductase domain., tissue specificity: Ubiquitously expressed. Highly

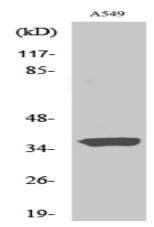
expressed in prostate tumors.,

Subcellular Location :

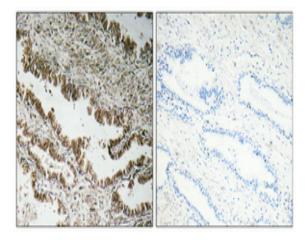
Endosome membrane; Multi-pass membrane protein.

**Expression:** Ubiquitously expressed. Highly expressed in prostate tumors.

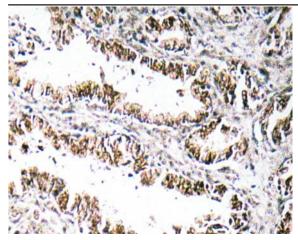
## **Products Images**



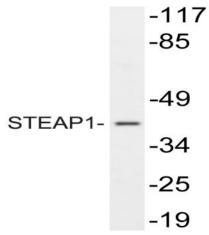
Western Blot analysis of various cells using STEAP1 Polyclonal Antibody



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.



Immunohistochemistry analysis of STEAP1 antibody in paraffinembedded human prostate carcinoma tissue.



Western blot analysis of lysate from A549, using STEAP1 antibody.