

STEAP3 antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # Al12290

Specification

STEAP3 antibody - N-terminal region - Product Information

Application WB
Primary Accession O658P3

Other Accession NM 001008410, NP 001008410

Reactivity Human, Mouse, Rat, Rabbit, Pig, Horse,

Bovine, Guinea Pig, Dog

Predicted Human, Mouse, Rabbit, Horse, Bovine,

Guinea Pig, Dog

Host Rabbit
Clonality Polyclonal
Calculated MW 54kDa KDa

STEAP3 antibody - N-terminal region - Additional Information

Gene ID 55240

Alias Symbol

STMP3, TSAP6, dudlin-2

Other Names

Metalloreductase STEAP3, 1.16.1.-, Dudulin-2, Six-transmembrane epithelial antigen of prostate 3, Tumor suppressor-activated pathway protein 6, hTSAP6, pHyde, hpHyde, STEAP3, TSAP6

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 100 ul of distilled water. Final anti-STEAP3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

STEAP3 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

STEAP3 antibody - N-terminal region - Protein Information

Name STEAP3

Synonyms TSAP6

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 (PubMed:26205815). 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). Mediates efficient transferrin-dependent iron uptake in erythroid cells (By similarity). May play a role downstream of p53/TP53 to interface apoptosis and cell cycle progression (By similarity). Indirectly involved in exosome secretion by facilitating the secretion of proteins such as TCTP (PubMed:15319436, PubMed:16651434).

Cellular Location

Endosome membrane {ECO:0000250|UniProtKB:Q8CI59}; Multi-pass membrane protein. Note=Localizes to vesicular- like structures at the plasma membrane and around the nucleus

Tissue Location

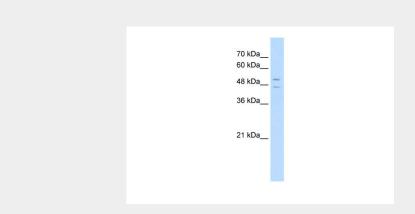
Expressed in adult bone marrow, placenta, liver, skeletal muscle and pancreas. Down-regulated in hepatocellular carcinoma.

STEAP3 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

STEAP3 antibody - N-terminal region - Images



WB Suggested Anti-STEAP3 Antibody Titration: 5.0µg/ml

Positive Control: HepG2 cell lysate

STEAP3 antibody - N-terminal region - References

Amzallag, N., (2004) J. Biol. Chem. 279(44), 46104-46112 Reconstitution and Storage: For short termuse, storeat 2-8 Cupto 1 week. For long terms to rage, storeat-20 Cinsmall aliquot stop revent freeze-thaw cycles.