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Anti-TSAP6 / STEAP3 Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18319

Product Information

Application	WB, IHC-P
Primary Accession	Q658P3
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	54601

Additional Information

Gene ID	55240
Alias Symbol	STEAP3
Other Names	STEAP3, Dudulin-2, Dudlin 2, Dudlin-2, Dudulin 2, Metalloreductase STEAP3, HTSAP6, PHyde, Tumor suppressor pHyde, TSAP6, HpHyde, STMP3
Target/Specificity	Human TSAP6 / STEAP3
Reconstitution & Storage	Affinity purified
Precautions	Anti-TSAP6 / STEAP3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	STEAP3 (HGNC:24592)
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.

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