ARG64275
anti-STEAP4 / Dudulin 4 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes STEAP4 / Dudulin 4
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Dog
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	STEAP4 / Dudulin 4
Species	Human
Immunogen	CVDNTLTRIRQGWERN
Conjugation	Un-conjugated
Alternate Names	TNFAIP9; Metalloreductase STEAP4; TIARP; SixTransMembrane protein of prostate 2; Six-transmembrane epithelial antigen of prostate 4; EC 1.16.1.-; STAMP2; Tumor necrosis factor, alpha-induced protein 9

Application Instructions

Application table

Application	Dilution
WB	0.3 - 1 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

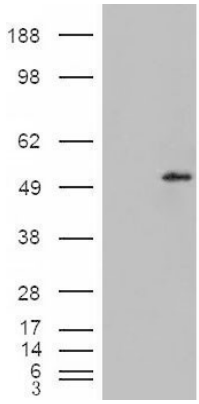
Bioinformation

Database links	GeneID: 79689 Human Swiss-port # Q687X5 Human
Background	The protein encoded by this gene belongs to the STEAP (six transmembrane epithelial antigen of prostate) family, and resides in the golgi apparatus. It functions as a metalloreductase that has the ability to reduce both Fe(3+) to Fe(2+) and Cu(2+) to Cu(1+), using NAD(+) as acceptor. Studies in mice and human suggest that this gene maybe involved in adipocyte development and metabolism, and may contribute to the normal biology of the prostate cell, as well as prostate cancer progression. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2011]
Research Area	Cancer antibody; Metabolism antibody
Calculated Mw	52 kDa

Images

ARG64275 anti-STEAP4 / Dudulin 4 antibody WB image

Western blot: Human Adipose lysate (35 µg protein in RIPA buffer) stained with ARG64275 anti-STEAP4 / Dudulin 4 antibody at 0.3 µg/ml dilution.



ARG64275 anti-STEAP4 / Dudulin 4 antibody WB image

Western blot: 1). Mock transfection; 2) Dudulin4 (RC216917) expressing plasmid transfected HEK293 cell lysate standed with ARG64275 anti-STEAP4 / Dudulin 4 antibody.