Product Name: STAMP2 Rabbit Polyclonal Antibody
Catalog #: APRab18335

Summary

Production Name	STAMP2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	STEAP4
Alternative Names	STEAP4; STAMP2; TNFAIP9; Metalloreductase STEAP4; Six-transmembrane epithelial antigen of prostate 4; SixTransMembrane protein of prostate 2; Tumor necrosis factor; alpha-induced protein 9
Gene ID	79689.0
SwissProt ID	Q687X5. The antiserum was produced against synthesized peptide derived from human STEAP4. AA range:201-250

Application

Dilution Ratio	IHC-P 1:100-1:300, IF-P/IF-F/ICC/IF 1:200-1:1000, ELISA 1:20000.Not yet tested in other applications.

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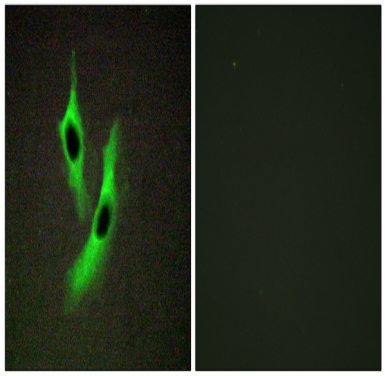
Molecular Weight

Background

STEAP4 metalloreductase(STEAP4) Homo sapiens 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],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.,induction:Up-regulated by androgens, including testosterone and dihydrotestosterone.,similarity:Belongs to the STEAP family.,similarity:Contains 1 ferric oxidoreductase domain.,tissue specificity:Ubiquitous. Highly expressed in placenta, lung, heart and prostate. Detected at lower levels in liver, skeletal muscle, pancreas, testis and small intestine.,

Research Area

Image Data



Immunofluorescence analysis of HeLa cells, using STEAP4 Antibody. The picture on the right is blocked with the synthesized peptide.

Note

For research use only.