

Datasheet

STEAP2 polyclonal antibody

Catalog Number: PAB13007

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of STEAP2.

Immunogen: A synthetic peptide corresponding to C-terminus 16 amino acids of human STEAP2.

Host: Rabbit

Reactivity: Human, Mouse

Applications: IHC-P, WB-Ti

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Recommend Usage: Western Blot (1-2 ug/mL)

The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.02% sodium azide)

Storage Instruction: Store at 4°C for three months. For long term storage store at -20°C.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 261729

Gene Symbol: STEAP2

Gene Alias: IPCA1, PCANAP1, PUMPCn, STAMP1, STMP

Gene Summary: This gene is a member of the STEAP family and encodes a multi-pass membrane protein that localizes to the Golgi complex, the plasma membrane, and the vesicular tubular structures in the cytosol. A highly similar protein in mouse has both ferrireductase and cupric reductase activity, and stimulates the cellular uptake of both iron and copper in vitro. Increased

transcriptional expression of the human gene is associated with prostate cancer progression. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

References:

1. The Steap proteins are metalloredutases. Ohgami RS, Campagna DR, McDonald A, Fleming MD. Blood. 2006 Aug 15;108(4):1388-94. Epub 2006 Apr 11.
2. Identification of a ferrireductase required for efficient transferrin-dependent iron uptake in erythroid cells. Ohgami RS, Campagna DR, Greer EL, Antiochos B, McDonald A, Chen J, Sharp JJ, Fujiwara Y, Barker JE, Fleming MD. Nat Genet. 2005 Nov;37(11):1264-9. Epub 2005 Oct 16.
3. Cloning and characterization of a novel six-transmembrane protein STEAP2, expressed in normal and malignant prostate. Porkka KP, Helenius MA, Visakorpi T. Lab Invest. 2002 Nov;82(11):1573-82.