

STEAP1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14380a**Specification**

STEAP1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q9UHE8](#)

STEAP1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 26872

Other Names

Metalloreductase STEAP1, 1161-, Six-transmembrane epithelial antigen of prostate 1, STEAP1, PRSS24, STEAP

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

STEAP1 Antibody (N-term) Blocking Peptide - Protein Information

Name STEAP1

Synonyms PRSS24, STEAP

Function

Does not function as a metalloreductase due to the absence of binding sites for the electron-donating substrate NADPH. Promotes Fe(3+) reduction when fused to the NADPH-binding domain of STEAP4.

Cellular Location

Endosome membrane {ECO:0000250|UniProtKB:Q9CWR7}; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

Tissue Location

Ubiquitously expressed. Highly expressed in prostate tumors.

STEAP1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

STEAP1 Antibody (N-term) Blocking Peptide - Images

STEAP1 Antibody (N-term) Blocking Peptide - Background

This gene is predominantly expressed in prostate tissue, and is found to be upregulated in multiple cancer cell lines. The gene product is predicted to be a six-transmembrane protein, and was shown to be a cell surface antigen significantly expressed at cell-cell junctions.

STEAP1 Antibody (N-term) Blocking Peptide - References

Valenti, M.T., et al. J. Endocrinol. Invest. 33(4):244-249(2010) Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :Vaghjiani, R.J., et al. Tissue Eng Part A 15(8):2073-2083(2009) Mavaddat, N., et al. Cancer Epidemiol. Biomarkers Prev. 18(1):255-259(2009) Maia, C.J., et al. Endocrine 34 (1-3), 108-116 (2008) :