



## STEAP2 blocking peptide (CDBP6198)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

|                            |   |
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| <b>Antigen Description</b> | 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, Jul 2008] |
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| <b>Conjugate</b>     | Unconjugated   |
| <b>Applications</b>  | Used as a blocking peptide in immunoblotting applications. |
| <b>Format</b>        | Liquid   |
| <b>Concentration</b> | 200 µg/mL  |
| <b>Size</b>          | 0.05 mg  |
| <b>Preservative</b>  | None   |
| <b>Storage</b>       | -20°C  |

### GENE INFORMATION

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|------------------------|--|
| <b>Gene Name</b>       | <a href="#">STEAP2 STEAP family member 2, metalloredutase [ Homo sapiens (human) ]</a>   |
| <b>Official Symbol</b> | STEAP2   |
| <b>Synonyms</b>        | STEAP2; STEAP family member 2, metalloredutase; STMP; IPCA1; PUMPCn; STAMP1; PCANAP1; metalloredutase STEAP2; prostate cancer associated protein 1; prostate cancer-associated protein 1; SixTransMembrane Protein of Prostate 1; protein upregulated in |

metastatic prostate cancer; protein up-regulated in metastatic prostate cancer; six transmembrane epithelial antigen of prostate 2; six-transmembrane epithelial antigen of prostate 2; six transmembrane epithelial antigen of the prostate 2

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|----------------|--|
| Entrez Gene ID | <a href="#">261729</a>   |
| mRNA Refseq    | <a href="#">NM_001040665</a>   |
| Protein Refseq | <a href="#">NP_001035755</a>   |
| UniProt ID     | Q8NFT2   |
| Pathway        | Iron uptake and transport; Mineral absorption; Transferrin endocytosis and recycling; Transmembrane transport of small molecules |
| Function       | metal ion binding; oxidoreductase activity; transporter activity   |