STEAP2 Monoclonal Antibody

Catalog No	BYmab-04228
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	STEAP2
Protein Name	Metalloreductase STEAP2
Immunogen	The antiserum was produced against synthesized peptide derived from human STEA2. AA range:431-480
Specificity	STEAP2 Monoclonal Antibody detects endogenous levels of STEAP2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	STEAP2; PCANAP1; STAMP1; Metalloreductase STEAP2; Prostate cancer-associated protein 1; Protein up-regulated in metastatic prostate cancer; PUMPCn; Six-transmembrane epithelial antigen of prostate 2; SixTransMembrane protein of prostate 1
Observed Band	
Cell Pathway	Endosome membrane ; Multi-pass membrane protein . Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Expressed at high levels in prostate and at significantly lower levels in heart, brain, kidney, pancreas, and ovary.
Function	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.,similarity:Belongs to the STEAP family.,similarity:Contains 1 ferric oxidoreductase domain.,tissue specificity:Expressed at high levels in prostate and at significantly lower levels in heart, brain, kidney, pancreas, and ovary.,

Background	STEAP2 metalloreductase(STEAP2) Homo sapiens 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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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