

Immunotag™ STEAP1 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT4457
Product Description	Immunotag™ STEAP1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	STEAP1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human STEAP1. AA range:31-80
Specificity	STEAP1 Polyclonal Antibody detects endogenous levels of STEAP1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	STEAP1
Accession No.	Q9UHE8 Q9CWR7
Alternate Names	STEAP1; PRSS24; STEAP; Metalloreductase STEAP1; Six-transmembrane epithelial antigen of prostate 1

Antibody Specification

Description	STEAP family member 1(STEAP1) Homo sapiens 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. [provided by RefSeq, Jul 2008],
Protein Expression	Skin,
Subcellular Localization	endosome,plasma membrane,integral component of plasma membrane,cell-cell junction,endosome membrane,membrane,integral component of membrane,
Protein 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:Ubiquitously expressed. Highly expressed in prostate tumors.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.