

Immunotag™ STEAP4 Antibody

Antibody Specification	
Catalog No.	ITA0429
Product Description	Immunotag™ STEAP4 Antibody
Size	100 µg, 200 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	STEAP4
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	IHC,IF/ICC,ELISA
Recommended Dilution	IHC 1:50-1:200 IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human STEAP4
Specificity	STEAP4 Antibody detects endogenous levels of STEAP4
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	STEAP4
Accession No.	Q687X5
Alternate Names	alpha-induced protein 9; Metalloreductase STEAP4; six transmembrane prostate protein 2; Six-transmembrane epithelial antigen of prostate 4; SixTransMembrane protein of prostate 2; STAMP 2; STAMP2; STEA4_HUMAN; STEAP 4; STEAP family member 4; STEAP4; TIARP; TNFAIP 9; TNFAIP9; Tumor necrosis factor; tumor necrosis factor, alpha-induced protein 9; tumor necrosis-alpha-induced adipose-related protein;

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Description	Metalloreductase that has the ability to reduce both Fe ³⁺ to Fe ²⁺ and Cu ²⁺ to Cu ¹⁺ (By similarity). Uses NADP ⁺ as acceptor (By similarity). Plays a role in systemic metabolic homeostasis, integrating inflammatory and metabolic responses (By similarity). Associated with obesity and insulin-resistance (PubMed:18430367, PubMed:18381574). Involved in inflammatory arthritis, through the regulation of inflammatory cytokines (PubMed:19660107). Inhibits anchorage-independent cell proliferation (PubMed:19787193).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	51kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.