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Datasheet for ABIN6990787 **anti-STEAP3 antibody (N-Term)**

Overview

Quantity:	0.1 mg
Target:	STEAP3
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STEAP3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	STEAP3 antibody was raised against a 15 amino acid synthetic peptide from near the amino terminus of human STEAP3. The immunogen is located within the first 50 amino acids of STEAP3.
Isotype:	IgG
Specificity:	This STEAP3 antibody does not cross-react with other STEAP proteins.
Purification:	STEAP3 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	STEAP3
Alternative Name:	STEAP3 (STEAP3 Products)

Target Details

Background:	STEAP3 Antibody: The six-transmembrane epithelial antigen of prostate 3 (STEAP3) is a member of a family of metalloreductases identified as cell-surface antigens in prostate tissue. Similar to two other members of the STEAP family (STEAP 2 and STEAP4), STEAP3 promotes both iron and copper reduction. STEAP3 is highly expressed in hematopoietic tissues and colocalizes with the transferrin endosome. Overexpression of STEAP3 stimulates iron reduction, mice lacking STEAP3 are deficient in erythroid ferrireductase activity, suggesting that STEAP3 is an endosomal ferrireductase required for transferrin-dependent iron uptake in erythroid cells.
Molecular Weight:	Predicted: 55 kDa Observed: 51 kDa
Gene ID:	55240
UniProt:	Q658P3
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	STEAP3 antibody can be used for detection of STEAP3 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	STEAP3 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C, 4 °C
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Storage Comment:	STEAP3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
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