

Datasheet for ABIN6990788

**anti-STEAP4 antibody (AA 210-260)**[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	STEAP4
Binding Specificity:	AA 210-260
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STEAP4 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

## Product Details

Immunogen:	STEAP4 antibody was raised against a 14 amino acid synthetic peptide from near the center of human STEAP4. The immunogen is located within amino acids 210 - 260 of STEAP4.
Isotype:	IgG
Specificity:	At least two isoforms are known to exist for this protein. This STEAP4 antibody does not cross-react with other STEAP proteins.
Purification:	STEAP4 Antibody is affinity chromatography purified via peptide column.

## Target Details

Target:	STEAP4
Alternative Name:	STEAP4 ( <a href="#">STEAP4 Products</a> )

## Target Details

Background:	STEAP4 Antibody: The six-transmembrane epithelial antigen of prostate 4 (STEAP4) 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 STEAP3), STEAP4 promotes both iron and copper reduction. STEAP4 is highly expressed in placenta, lung, heart and prostate tissues, and overexpressed in prostate cancer cells compared to normal prostate cells. Overexpression of STEAP4 in prostate cells significantly increases cell growth and colony formation, suggesting STEAP4 may have a role in cell proliferation and prostate cancer progression.
Gene ID:	79689
UniProt:	<a href="#">Q687X5</a>
Pathways:	<a href="#">Transition Metal Ion Homeostasis</a>

## Application Details

Application Notes:	STEAP4 antibody can be used for detection of STEAP4 by Western blot at 0.5 - 1 µg/mL.  Antibody validated: Western Blot in rat samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	STEAP4 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.
Storage:	-20 °C, 4 °C
Storage Comment:	STEAP4 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.