

## STEAP4

**Reactivity:** Human Mouse

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:** 52kDa

**Observed MW:** Refer to Figures

**Immunogen:**

A synthetic peptide of human STEAP4

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

TIARP; STAMP2; TNFAIP9

**Catalog #:** A4978

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 79689

**Isotype:** IgG

**Swiss Prot:** Q687X5

**Purity:** Affinity purification

For research use only.

**Background:**

The protein encoded by this gene belongs to the STEAP (six transmembrane epithelial antigen of prostate) family, and resides in the golgi apparatus. It functions as a metalloredoxase that has the ability to reduce both Fe(3+) to Fe(2+) and Cu(2+) to Cu(1+), using NAD(+) as acceptor. Studies in mice and human suggest that this gene maybe involved in adipocyte development and metabolism, and may contribute to the normal biology of the prostate cell, as well as prostate cancer progression. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

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