

## STEAP4 polyclonal antibody

Catalog: BS61396

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

STAMP2 (SixTransMembrane protein of prostate 2), also known as STEAP4 (STEAP family member 4), TIARP or TNFAIP9, is a 459 amino acid multi-pass membrane protein that localizes to the golgi apparatus and contains one ferric oxidoreductase domain. Expressed ubiquitously with highest expression in lung, prostate, placenta and heart, STAMP2 functions as a metalloredutase that uses FAD as a cofactor to reduce both Fe<sup>3+</sup> and Cu<sup>2+</sup> to Fe<sup>2+</sup> and Cu<sup>1+</sup>, respectively. Multiple isoforms of STAMP2 exist due to alternative splicing events. The gene encoding STAMP2 maps to human chromosome 7, which houses over 1,000 genes and comprises nearly 5% of the human genome. Defects in some of the genes localized to chromosome 7 have been linked to Osteogenesis imperfecta, Williams-Beuren syndrome, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 52 kDa

### Swiss-Prot:

Q687X5

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

STEAP4 polyclonal antibody detects endogenous levels of STEAP4 protein.

### DATA:



Western blot (WB) analysis of STEAP4 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:NIH-3T3 whole cell lysate(40ug)

Lane3:H9C2 whole cell lysate(40ug)

Lane4:Hela whole cell lysate(40ug)

### Note:

For research use only, not for use in diagnostic procedure.

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