

For Research Use Only

STEAP4 Monoclonal antibody

Catalog Number: 68465-1-Ig



Basic Information

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| Catalog Number: 68465-1-Ig | GenBank Accession Number: BC020600 | Purification Method: Protein G purification |
| Size: 1000 µg/ml | GeneID (NCBI): 79689 | CloneNo.: 2A12G6 |
| Source: Mouse | UNIPROT ID: Q687X5 | Recommended Dilutions: WB 1:5000-1:50000 |
| Isotype: IgG1 | Full Name: STEAP family member 4 | |
| Immunogen Catalog Number: AG30137 | Calculated MW: 52 kDa | |
| | Observed MW: 52 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : A549 cells, HaCaT cells, HeLa cells, MDA-MB-468 cells, SK-BR-3 cells |
| Species Specificity: Human | |

Background Information

STEAP4 (also called STAMP2), is a member of the STEAP family. Structurally, It is a 459 amino acid protein characterized by a molecular topology of six transmembrane domains. The cytoplasmic N-terminal domain of STEAP4 shows structural similarity with bacterial and archaeal FNO oxidoreductase and STEAP4 exhibits a strong iron reductase activity. Studies in mice and human suggest that STEAP4 maybe involved in adipocyte development and metabolism, and may contribute to the normal biology of the prostate cell, as well as prostate cancer progression.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

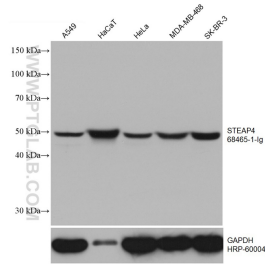
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68465-1-Ig (STEAP4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.