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Datasheet for ABIN6990786 **anti-STEAP2 antibody (C-Term)**

Overview

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| Quantity: | 0.1 mg |
| Target: | STEAP2 |
| Binding Specificity: | C-Term |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This STEAP2 antibody is un-conjugated |
| Application: | ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF) |

Product Details

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| Immunogen: | STEAP2 antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human STEAP2. The immunogen is located within the last 50 amino acids of STEAP2. |
| Isotype: | IgG |
| Specificity: | This STEAP2 antibody does not cross-react with other STEAP proteins. |
| Purification: | STEAP2 Antibody is affinity chromatography purified via peptide column. |

Target Details

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| Target: | STEAP2 |
| Alternative Name: | STEAP2 (STEAP2 Products) |

Target Details

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| Background: | STEAP2 Antibody: The six-transmembrane epithelial antigen of prostate 2 (STEAP2) 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 3 and STEAP4), STEAP2 promotes both iron and copper reduction. STEAP2 expression in transfected cells also correlated with iron or copper uptake, suggesting that the STEAP family of proteins may function to stimulate iron and copper uptake. STEAP2 is widely expressed in many tissues in the plasma membrane, but is most highly expressed in prostate. At least three isoforms of STEAP2 are known to exist. |
| Molecular Weight: | Predicted: 54 kDa Observed: 55 kDa |
| Gene ID: | 261729 |
| UniProt: | Q8NFT2 |
| Pathways: | Transition Metal Ion Homeostasis |

Application Details

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| Application Notes: | STEAP2 antibody can be used for detection of STEAP2 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 human samples and Immunofluorescence in human samples. All other applications and species not yet tested. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | STEAP2 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 |

Handling

Storage Comment: STEAP2 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.