STEAP1 Antibody

Subcategory: Rabbit Polyclonal Antibody
Cat. No.: 253760
Unit: 0.1 mg

Description:
The six-transmembrane epithelial antigen of prostate 1 (STEAP1) was the first member of a family of metalloreductases identified as cell-surface antigens in prostate tissue. The normal function of STEAP is still uncertain; unlike other members of the STEAP family, STEAP1 does not promote iron or copper reduction or uptake and lacks the FNO-like reductase domain critical for activity. However, its expression is highly increased in multiple cancer cell lines, including prostate, bladder, colon, and ovarian cancers. Supporting this is evidence that STEAP1 peptides can be used to stimulate CD8+ T cells from healthy donors, enabling them to recognize STEAP1-positive human tumor cells, suggesting that STEAP1 may a potential target for cancer immunotherapy. At least three isoforms of STEAP1 are known to exist. This STEAP1 antibody does not cross-react with other STEAP proteins.

Isotype: Rabbit Ig
Applications: E, WB, IHC
Species Reactivity: H, M, R
Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.
Alternate Names: STEAP1 ; Six transmembrane epithelial antigen of prostate 1; STEAP
Accession No.: EAL24166

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human STEAP1.
Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:00-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.