
STEAP3 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253763

Unit: 0.1 mg

Description:

The six-transmembrane epithelial antigen of prostate 3 (STEAP3) is a member of a family of metalloredoxases identified as cell-surface antigens in prostate tissue. Similar to two other members of the STEAP family (STEAP 2 and STEAP4), STEAP3 promotes both iron and copper reduction. STEAP3 is highly expressed in hematopoietic tissues and colocalizes with the transferrin endosome. Overexpression of STEAP3 stimulates iron reduction; mice lacking STEAP3 are deficient in erythroid ferrireductase activity, suggesting that STEAP3 is an endosomal ferrireductase required for transferrin-dependent iron uptake in erythroid cells. This STEAP3 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: STEAP3; Six transmembrane epithelial antigen of prostate 3; dudulin-2

Accession No.: AAH95421

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human STEAP3.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

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.