

CTSC RABBIT PAB

Cat.#: S220427

Product Name: Anti-CTSC Rabbit Polyclonal Antibody

Synonyms: JP; HMS; JPD; PLS; CPPI; DPPI; DPPI; PALS; DPP-I; PDONI

UNIPROT ID: P53634 (Gene Accession - NP_001107645)

Background: The protein encoded by this gene, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that appears to be a central coordinator for activation of many serine proteinases in immune/inflammatory cells. It is composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor, and a residual portion of the propeptide acts as an intramolecular chaperone for the folding and stabilization of the mature enzyme. This enzyme requires chloride ions for activity and can degrade glucagon. Defects in the encoded protein have been shown to be a cause of Papillon-Lefevre syndrome, an autosomal recessive disorder characterized by palmoplantar keratosis and periodontitis.

Immunogen: Synthetic peptide of human CTSC

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 15-50;WB: 200-1000;ELISA: 1000-2000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

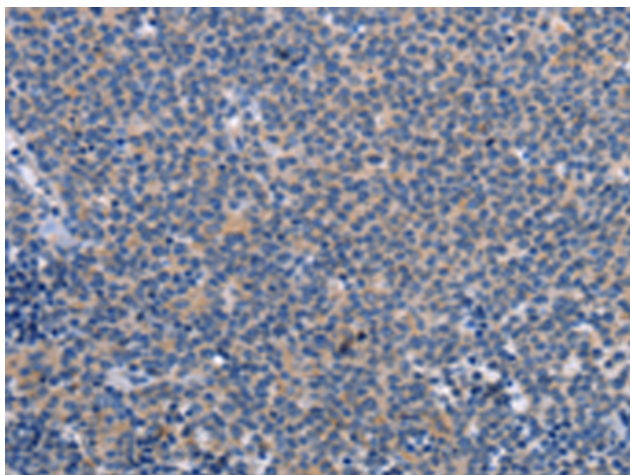
Purification: Antigen affinity purification

Species Reactivity: Human

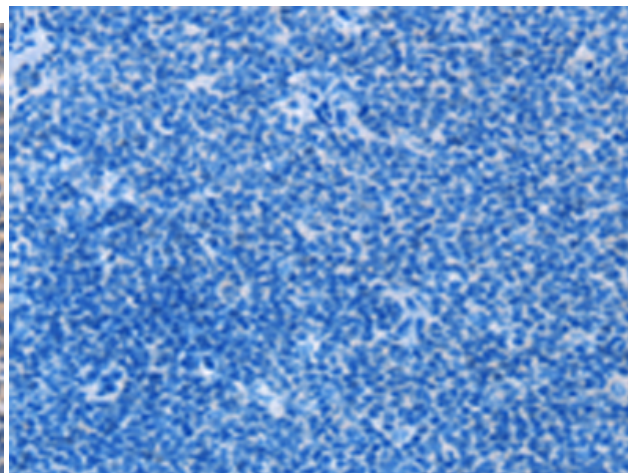
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Cell Biology

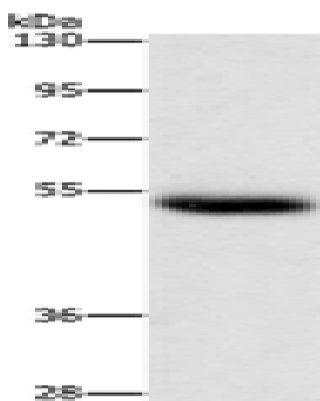
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human Lymphoma tissue using 220427(CTSC Antibody) at a dilution of 1/25(Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human Lymphoma tissue is first treated with the synthetic peptide and then with 220427(Anti-CTSC Antibody) at dilution 1/25.



Gel: 6%SDS-PAGE, Lysate: 40 µg;
Lane: Human placenta tissue;
Primary antibody: 220427(CTSC Antibody) at dilution 1/350;
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;
Exposure time: 30 seconds