

For Research Use Only

HCLS1 Polyclonal antibody

Catalog Number: 25003-1-AP

2 Publications



Basic Information

Catalog Number:

25003-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8645

GenBank Accession Number:

BC016758

GeneID (NCBI):

3059

UNIPROT ID:

P14317

Full Name:

hematopoietic cell-specific Lyn substrate 1

Calculated MW:

486 aa, 54 kDa

Observed MW:

75 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:150-1:600

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human, canine

Positive Controls:

WB : Jurkat cells,

IHC : human tonsillitis tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Hematopoietic cell-specific Lyn substrate 1 (HS1, HCLS1, LckBP1 and p75) is a 75-kDa intracellular protein expressed in cells of lymphohemopoietic origin. It was originally identified in B-lymphocytes as a major substrate of B-cell receptor (BCR)-induced phosphorylation after antigen (Ag) stimulation. It's a substrate of the antigen receptor-coupled tyrosine kinase. HCLS1 plays a role in antigen receptor signaling for both clonal expansion and deletion in lymphoid cells.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|--------------|-----------|------------------|-------------|
| Jinguo Zhang | 33042828 | Front Oncol | IHC |
| Geng Liu | 37896995 | Vaccines (Basel) | WB |

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

*** 20ul sizes contain 0.1% BSA

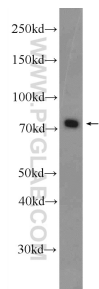
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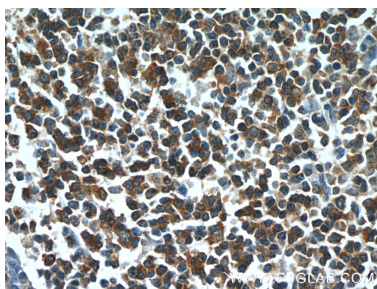
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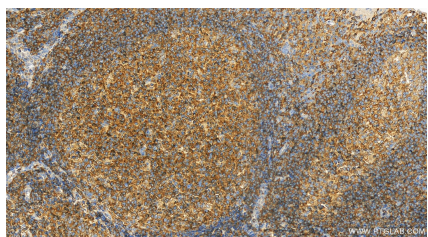
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 25003-1-AP (HCLS1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 25003-1-AP (HCLS1 Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 25003-1-AP (HCLS1 antibody) at dilution of 1:300 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).