

For Research Use Only

CD99 Polyclonal antibody

Catalog Number: 23079-1-AP

3 Publications



Basic Information

Catalog Number:

23079-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19461

GenBank Accession Number:

BC021620

GeneID (NCBI):

4267

UNIPROT ID:

P14209

Full Name:

CD99 molecule

Calculated MW:

19 kDa, 16 kDa, 17 kDa

Observed MW:

28 kDa, 32 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

IF, IHC

Species Specificity:

human

Cited Species:

human, pig

Positive Controls:

WB : Jurkat cells, U-937 cells, THP-1 cells

IHC : human pancreas tissue, human testis 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

CD99, also known as MIC2, is a heavily O-glycosylated transmembrane protein involved in T-cell adhesion processes and in spontaneous rosette formation with erythrocytes. CD99 is broadly distributed on many cell types, with particularly strong expression on human cortical thymocytes, Ewing's sarcoma cells and peripheral primitive neuroectodermal tumors (PMID: 9794396; 16984917). In normal cells, CD99 has been functionally implicated in cell adhesion, migration, apoptosis, differentiation, activation, and proliferation of lymphocytes and monocyte extravasation and transport of several transmembrane proteins (PMID: 16984917). CD99 displays two surface isoforms generated by alternative splicing: a long 32 kDa and a short 28 kDa form (PMID: 12368226).

Notable Publications

Author	Pubmed ID	Journal	Application
Jorge Hernando-Cubero	27698882	Oncol Lett	IHC
Lingkai Zhang	34872612	J Anim Sci Biotechnol	IHC, IF
Binbin Chen	35428764	Cell Death Dis	IHC

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

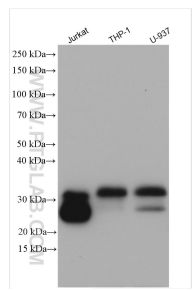
For technical support and original validation data for this product please contact:

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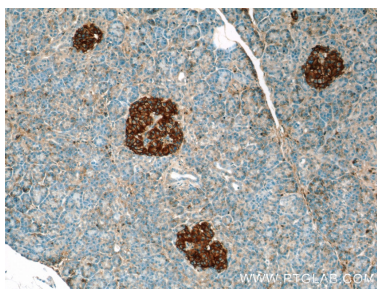
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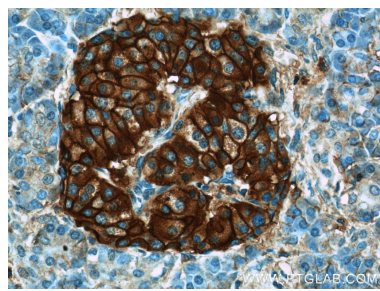
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 23079-1-AP (CD99 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas slide using 23079-1-AP (CD99 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas slide using 23079-1-AP (CD99 Antibody) at dilution of 1:50 (under 40x lens).