

For Research Use Only

CD69 Polyclonal antibody

Catalog Number: 10803-1-AP **5 Publications**



Basic Information

Catalog Number: 10803-1-AP	GenBank Accession Number: BC007037	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 750 µg/ml by Nanodrop;	GeneID (NCBI): 969	Recommended Dilutions: WB 1:500-1:3000 IHC 1:2000-1:8000 IF 1:50-1:500
Source: Rabbit	Full Name: CD69 molecule	
Isotype: IgG	Calculated MW: 23 kDa	
Immunogen Catalog Number: AG1094	Observed MW: 28 kDa, 32 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : human peripheral blood platelets, IHC : human tonsillitis tissue, IF : human tonsillitis tissue,
Cited Applications: FC, IF, IHC, WB	
Species Specificity: human	
Cited Species: human, mouse	

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

CD69, also known as activation inducer molecule (AIM) or early activation antigen (EA1), is a cell surface glycoprotein expressed shortly after activation on T lymphocytes and other cells of haematopoietic origin, including natural killer cells. It is a disulfide-linked homodimer composed of two chains belonging to the type II integral protein with a C-type lectin domain. CD69 is involved in lymphocyte proliferation and functions as a signal-transmitting receptor in lymphocytes, natural killer cells, and platelets.

Notable Publications

Author	Pubmed ID	Journal	Application
Shijia Rao	31661988	Expert Rev Clin Immunol	IF
Huiwen Zheng	35594870	Cell Rep	IF
Chen Zhu	31428519	Oncoimmunology	IHC

Storage

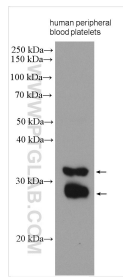
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

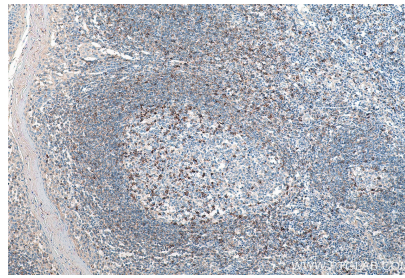
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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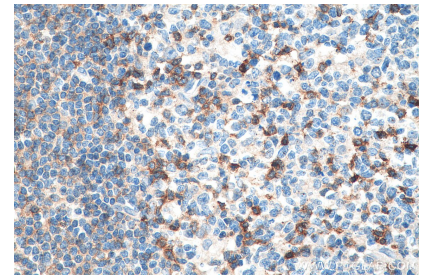
Selected Validation Data



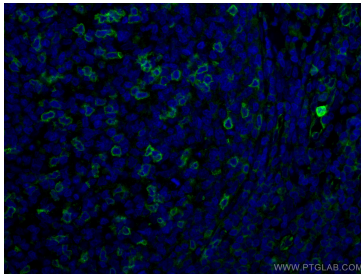
human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 10803-1-AP (CD69 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



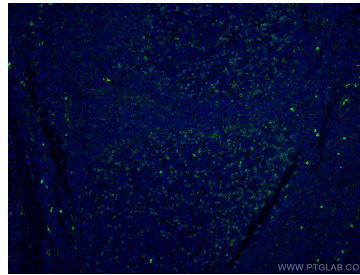
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 10803-1-AP (CD69 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 10803-1-AP (CD69 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD69 antibody (10803-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD69 antibody (10803-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).