

Product datasheet for **AP21168PU-N**

CD69 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1/500-1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of CD69 protein. (region surrounding Arg134)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE). Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~23 kDa
Gene Name:	CD69 molecule
Database Link:	Entrez Gene 12515 Mouse Entrez Gene 29187 Rat Entrez Gene 969 Human Q07108



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Background:

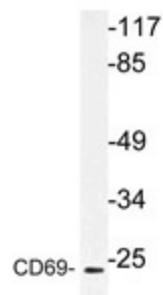
CD69 is a disulfide linked transmembrane homodimer whose differentially glycosylated subunits range from 35-39 kDa. It is a C type lectin, most closely related to the NKRP1 and Ly49 NK cell activation molecules. CD69 is involved in lymphocyte proliferation and functions as a signal transmitting receptor in lymphocytes, natural killer (NK) cells, and platelets. It is the earliest inducible cell surface glycoprotein acquired during lymphoid activation. Induction occurs by antigens, mitogens or activators of PKC on the surface of T and B lymphocytes, and by interaction of IL2 with the p75 IL2R on the surface of NK cells. Constitutive expression of CD69 on subsets of thymocytes suggests that it may be involved in regulation of developmental events in addition to its role in activation of a variety of hematopoietic cells.

Synonyms:

GP32/28, Leu-23, MLR-3, EA1, BL-AC/P26, AIM

Protein Families:

Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Product images:

Western blot (WB) analysis of CD69 antibody (Cat.-No.: AP21168PU-N) in extracts from HUVEC cells.