

**FAM125A Antibody (N-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22249a****Specification**

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**FAM125A Antibody (N-Term) - Product Information**

Application	IF, WB, FC,E
Primary Accession	<a href="#">Q96EY5</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	28783

**FAM125A Antibody (N-Term) - Additional Information****Gene ID** 93343**Other Names**

Multivesicular body subunit 12A, CIN85/CD2AP family-binding protein, ESCRT-I complex subunit MVB12A, Protein FAM125A, MVB12A, CFBP, FAM125A

**Target/Specificity**

This FAM125A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 16-50 amino acids from human FAM125A.

**Dilution**

IF~~1:25

WB~~1:2000

FC~~1:25

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

FAM125A Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**FAM125A Antibody (N-Term) - Protein Information****Name** MVB12A**Synonyms** CFBP, FAM125A

**Function** Component of the ESCRT-I complex, a regulator of vesicular trafficking process. Required for the sorting of endocytic ubiquitinated cargos into multivesicular bodies. May be involved in the ligand-mediated internalization and down-regulation of EGF receptor.

**Cellular Location**

Cytoplasm. Nucleus. Endosome. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Late endosome membrane; Peripheral membrane protein Note=Colocalizes with F-actin. Some fraction may be nuclear

**Tissue Location**

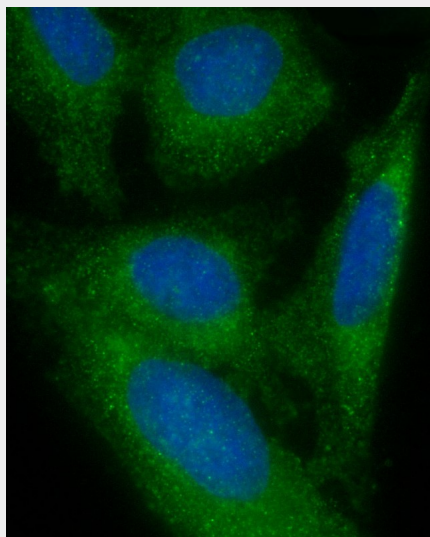
Ubiquitously expressed except in skeletal muscle.

**FAM125A Antibody (N-Term) - Protocols**

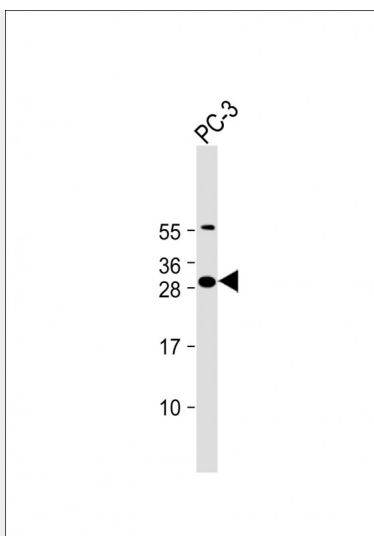
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

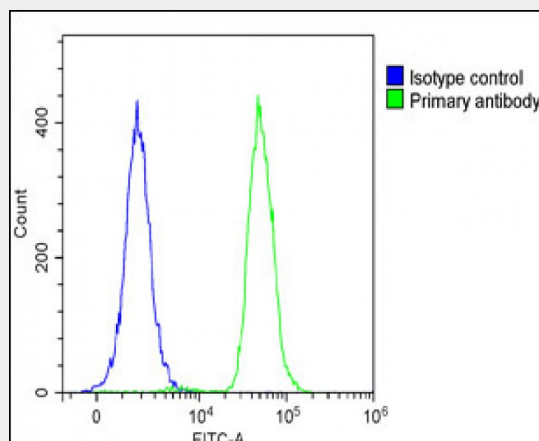
**FAM125A Antibody (N-Term) - Images**



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U-2 OS (human osteosarcoma cell line) cells labeling FAM125A with AP22249a at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm and nucleus staining on U-2 OS cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red). The nuclear counter stain is DAPI (blue).



Anti-FAM125A Antibody (N-Term) at 1:2000 dilution + PC-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 29 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing A431 cells stained with AP22249a(green line). The cells were fixed with 2% paraformaldehyde and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at Room temperature. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10, 000 events was performed.

#### **FAM125A Antibody (N-Term) - Background**

Component of the ESCRT-I complex, a regulator of vesicular trafficking process. Required for the sorting of endocytic ubiquitinated cargos into multivesicular bodies. May be involved in the ligand-mediated internalization and down- regulation of EGF receptor.

#### **FAM125A Antibody (N-Term) - References**

- Konishi H.,et al.J. Biol. Chem. 281:28919-28931(2006).
- Beausoleil S.A.,et al.Nat. Biotechnol. 24:1285-1292(2006).
- Morita E.,et al.Cell Host Microbe 2:41-53(2007).
- Morita E.,et al.EMBO J. 26:4215-4227(2007).
- Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).

