

For Research Use Only

FAM136A Recombinant antibody

Catalog Number: 84150-2-RR



Basic Information

Catalog Number: 84150-2-RR	GenBank Accession Number: BC014975	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 84908	CloneNo.: 241433D12
Source: Rabbit	UNIPROT ID: Q96C01	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:300-1:1200 IF/ICC 1:125-1:500
Isotype: IgG	Full Name: family with sequence similarity 136, member A	
Immunogen Catalog Number: AG34058	Observed MW: 12 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : A549 cells, HeLa cell, Jurkat cell, MCF-7 cell, U2OS cell, mouse testis tissue, rat 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	IHC : mouse testis tissue, IF/ICC : HeLa cells,

Background Information

FAM136A is an evolutionarily conserved nuclear gene encoding a mitochondrial protein whose specific function is unknown, but which is commonly found in neurosensory epithelial cells, where it plays a role in the electron transport chain of respiration (PMID: 37461313). FAM136A, with a molecular mass of 16-kDa, is normally expressed in the cytoplasm and has been linked to familial Meniere's disease.

Storage

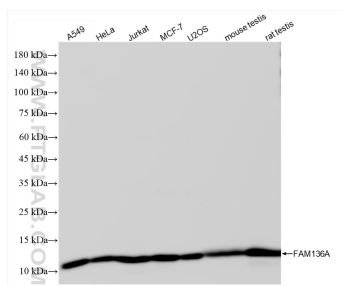
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

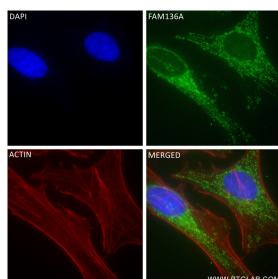
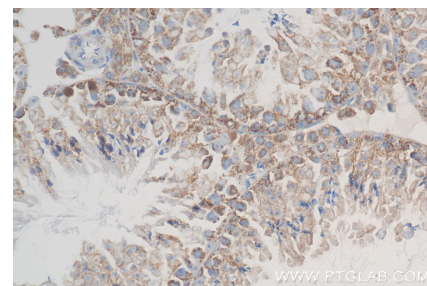
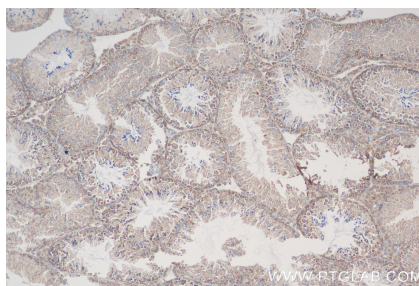
For technical support and original validation data for this product please contact:
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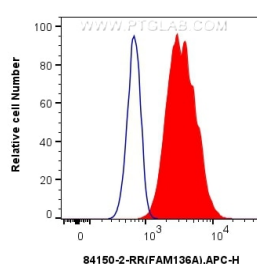
Selected Validation Data



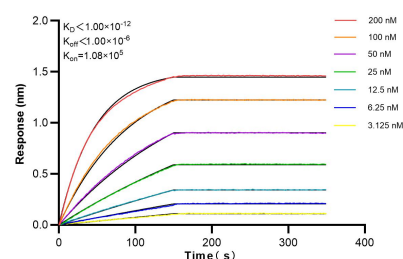
Various lysates were subjected to SDS PAGE followed by western blot with 84150-2-RR (FAM136A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using FAM136A antibody (84150-2-RR, Clone: 241433D12) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1×10^6 U2OS cells were intracellularly stained with 0.25 ug FAM136A Recombinant antibody (84150-2-RR, Clone:241433D12) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bilayer interferometry (BLI) kinetic assays of 84150-2-RR against Human FAM136A were performed. The affinity constant is below 1 pM.