

For Research Use Only

# FAM134A Recombinant antibody, PBS Only

Catalog Number: 85791-4-PBS



## Basic Information

<b>Catalog Number:</b> 85791-4-PBS	<b>GenBank Accession Number:</b> BC002420	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 79137	<b>CloneNo.:</b> 250097C7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8NC44	
<b>Isotype:</b> IgG	<b>Full Name:</b> family with sequence similarity 134, member A	
<b>Immunogen Catalog Number:</b> AG20025	<b>Calculated MW:</b> 543 aa, 58 kDa	
	<b>Observed MW:</b> 70-80 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
human, mouse

## Background Information

The protein family with sequence similarity 134 (FAM134) consists of three proteins, FAM134B, FAM134A, and FAM134C, which share the same LIR amino acid sequence. FAM134 reticulon family proteins (FAM134A, FAM134B, and FAM134C) are ER-phagy receptors with structural similarities and nonredundant functions. The protein family with sequence similarity 134 (FAM134). Fam134A (also known as metastasis-associated genes 2, MAG-2) is widely expressed in various types of tissues including tumors, and is considered to be closely correlated with tumor proliferation, invasion, and metastasis.

## Storage

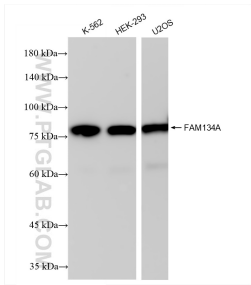
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

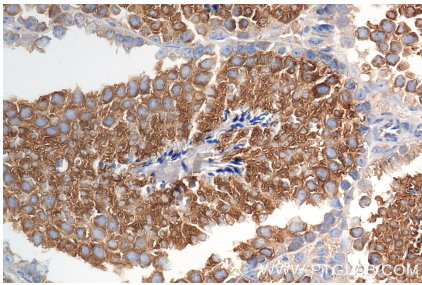
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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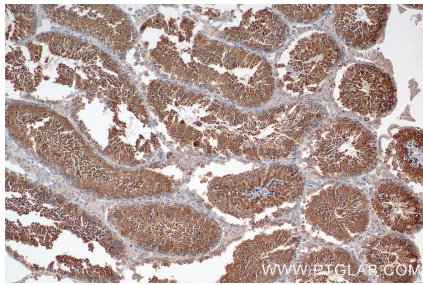
## Selected Validation Data



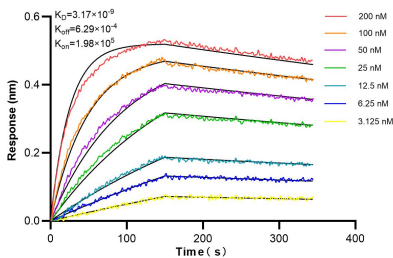
Various lysates were subjected to SDS PAGE followed by western blot with 85791-4-RR (FAM134A antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85791-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 85791-4-RR (FAM134A antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85791-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 85791-4-RR (FAM134A antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85791-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85791-4-RR against Human FAM134A were performed. The affinity constant is 3.17 nM.