

For Research Use Only

# FAM134B Recombinant monoclonal antibody

Catalog Number:84773-3-RR



## Basic Information

<b>Catalog Number:</b> 84773-3-RR	<b>GenBank Accession Number:</b> BC030517	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 54463	<b>CloneNo.:</b> 260027B9
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q9H6L5	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Immunogen Catalog Number:</b> AG16176	<b>Full Name:</b> family with sequence similarity 134, member B	
	<b>Calculated MW:</b> 497 aa, 55 kDa	
	<b>Observed MW:</b> 65-70 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, C2C12 cells, NIH/3T3 cells, mouse brain tissue, TT cells, MOLT-4 cells
<b>Species Specificity:</b> human, mouse	

## Background Information

FAM134B, also known as the reticulophagy regulator 1 (RETREG1) or JK-1, is a member of the family with sequence similarity 134. FAM134B is an important ER-phagy receptor. FAM134B regulates the size and shape of the ER and participates in some ER-phagy-related processes (PMID: 33199694). FAM134B inhibition contributes to impair proteostasis in the ER due to the accumulation of misfolded or aggregated proteins, which in turn leads to compromised neuronal survival and progressive neuronal degenerative diseases. In addition, FAM134B mutations are common in patients with colorectal adenocarcinoma, and oesophageal squamous cell carcinoma (PMID: 29226326).

## 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

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

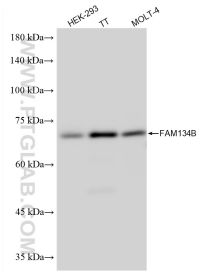
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

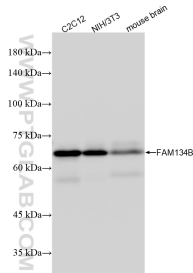
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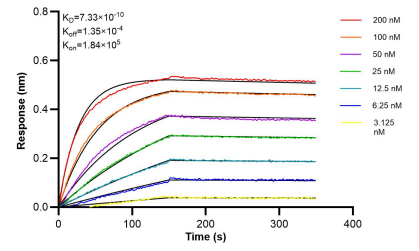
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84773-3-RR (FAM134B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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Biolayer interferometry (BLI) kinetic assays of 84773-3-RR against Human FAM134B were performed. The affinity constant is 0.733 nM.