

For Research Use Only

# EFCAB1 Recombinant monoclonal antibody

Catalog Number:86828-1-RR



## Basic Information

<b>Catalog Number:</b> 86828-1-RR	<b>GenBank Accession Number:</b> BC025676	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 79645	<b>CloneNo.:</b> 251861D3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9HAE3	<b>Recommended Dilutions:</b> WB: 1:5000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> EF-hand calcium binding domain 1	
<b>Immunogen Catalog Number:</b> AG11039	<b>Calculated MW:</b> 211 aa, 24 kDa	
	<b>Observed MW:</b> 24 kDa, 18 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse testis tissue, L02 cells, mouse liver tissue, rat testis tissue
<b>Species Specificity:</b> mouse, rat	

## Background Information

EFCAB1, also known as Calaxin, is a gene that encodes a protein involved in the function of cilia and flagella, which are hair-like structures protruding from the surface of certain cells. Research indicates that EFCAB1 overexpression inhibits cell proliferation, migration, and invasion while promoting apoptosis in lung adenocarcinoma cells. This suggests that EFCAB1 could potentially serve as a biomarker for lung adenocarcinoma.

## Storage

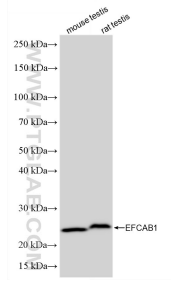
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

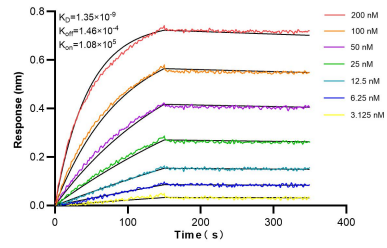
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86828-1-RR (EFCAB1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86828-1-RR against Human EFCAB1 were performed. The affinity constant is 1.35 nM.