

For Research Use Only

# EFCAB4A Polyclonal antibody, PBS Only

Catalog Number: 32115-1-PBS

Featured Product



## Basic Information

Catalog Number:

32115-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG37031

GenBank Accession Number:

BC033196

GeneID (NCBI):

283229

UNIPROT ID:

Q8N4Y2

Full Name:

EF-hand calcium binding domain 4A

Observed MW:

50 kDa

Purification Method:

Antigen affinity Purification

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

## Background Information

EFCAB4A (EF-hand calcium-binding domain-containing protein 4A), also known as CRACR2B (calcium release-activated calcium channel regulator 2B), is a calcium-binding protein containing EF-hand structural domain. EFCAB4A is thought to play a key role in calcium bank-manipulated calcium endocytosis (SOCE) in T cells by regulating activation of CRAC (calcium release-activated calcium channel) channels. This protein may perform a similar function to EFCAB4B, which acts as a cytoplasmic calcium sensor that forms a complex with ORAI1 and STIM1 in the region of the junction between the endoplasmic reticulum and the plasma membrane. The EFCAB4A protein contains two EF-hand structural domains, which may be involved in calcium bank-manipulated calcium endocytosis.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

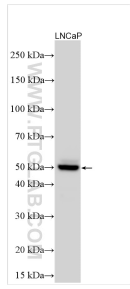
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

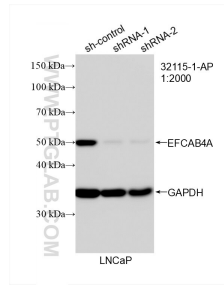
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32115-1-AP (EFCAB4A antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32115-1-PBS in a different storage buffer formulation.



WB result of EFCAB4A antibody (32115-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EFCAB4A transfected LNCaP cells. This data was developed using the same antibody clone with 32115-1-PBS in a different storage buffer formulation.