

For Research Use Only

FAM83G Polyclonal antibody, PBS Only

Catalog Number: 29366-1-PBS



Basic Information

Catalog Number:

29366-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG28925

GenBank Accession Number:

NM_001039999

GeneID (NCBI):

644815

UNIPROT ID:

A6ND36

Full Name:

family with sequence similarity 83, member G

Calculated MW:

91 kDa

Observed MW:

100 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

FAM83G is a member of the FAM83 protein family, which consists of eight members characterized by sharing a conserved N-terminal domain named DUF1669. This domain is homologous to the phospholipase D catalytic domain but lacks essential catalytic histidine residues, suggesting it is unlikely to have phospholipase activity. FAM83G, in particular, has a consensus motif for serine/threonine protein kinase D1/protein kinase C μ (PKD1/PKC μ) phosphorylation at serine residue 356 (S356), which suggests it may have a unique physiological function among the FAM83 protein family members. Furthermore, FAM83G has been identified as a novel inducer of apoptosis, with its phosphorylation at S356 modulating heat shock protein 27 (HSP27) phosphorylation and apoptosis regulation.

Storage

Storage:

Store at -80°C .

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

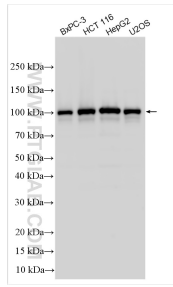
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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 29366-1-AP (FAM83G antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 29366-1-PBS in a different storage buffer formulation.