For Research Use Only

FAM83G Polyclonal antibody

Catalog Number:29366-1-AP

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Basic Information

Catalog Number:
29366-1-AP

Size:
700 ug/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

Recommended Dilutions:
WB 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : BxPC-3 cells, HCT 116 cells, HepG2 cells, U2OS cells

Background Information

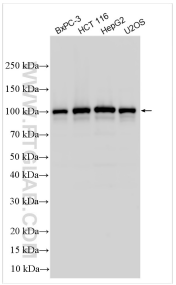
FAM83G is a member of the FAM83 protein family, which consists of eight members characterized by sharing a conserved N-terminal domain named DUF1669. This domain is homologous to the phospholipase D catalytic domain but lacks essential catalytic histidine residues, suggesting it is unlikely to have phospholipase activity. FAM83G, in particular, has a consensus motif for serine/threonine protein kinase D1/protein kinase C mu (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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
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 W: ptgcn.com

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.