

FAM83G Polyclonal antibody

Catalog Number: 29366-1-AP

Basic Information

Catalog Number:

29366-1-AP

Size:

150ul , Concentration: 700 ug/ml by Nanodrop;

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/PKCμ) 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

*** 20ul sizes contain 0.1% BSA

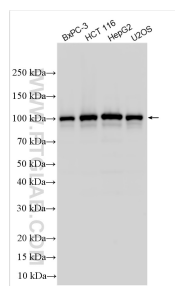
For technical support and original validation data for this product please contact:

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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.