

PLEKHA1 Polyclonal antibody

Catalog Number: 26830-1-AP

Basic Information

Catalog Number:

26830-1-AP

Size:

750 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25285

GenBank Accession Number:

BC001136

GeneID (NCBI):

59338

UNIPROT ID:

Q9HB21

Full Name:

pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 1

Calculated MW:

46 kDa

Observed MW:

46 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, A549 cells, Jurkat cells, MOLT-4 cells

IP : A549 cells,

IHC : human colon tissue, human pancreas tissue

IF : A549 cells,

Background Information

Pleckstrin homology (PH) domain is commonly found in eukaryotic signaling proteins and possesses multiple functions including the abilities to bind inositol phosphates and various proteins. The tandem PH domain containing protein-1 (TAPP1) or PH domain containing-family A (phosphoinositide binding specific) member 1 (PLEKHA1), interacts strongly and specifically with phosphatidylinositol 3,4-trisphosphate [PtdIns(3,4)P(2)], which is one of the immediate breakdown products of PtdIns(3,4,5)P(3) and functions as a signalling molecule in insulin- and growth-factor-stimulated pathways. TAPP1 is also associated with the protein- tyrosine-phosphatase-like protein-1 (PTPL1 also known as FAP-1) and maintains PTPL1 in cytoplasm. By binding to PtdIns(3,4)P(2) and PTPL1, TAPP1 may regulate the membrane localization of PTPL1."

Storage

Storage:

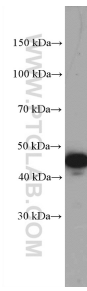
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

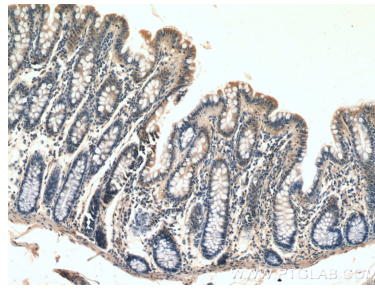
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

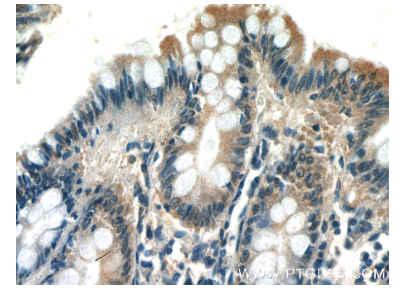
Selected Validation Data



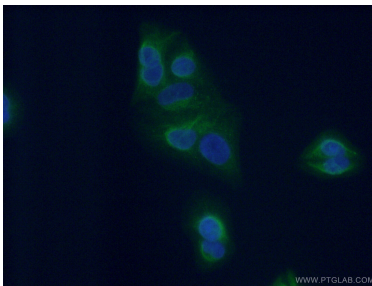
HeLa cells were subjected to SDS PAGE followed by western blot with 26830-1-AP (PLEKHA1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



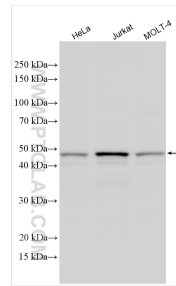
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 26830-1-AP (PLEKHA1 antibody) at dilution of 1:200 (under 10x lens).



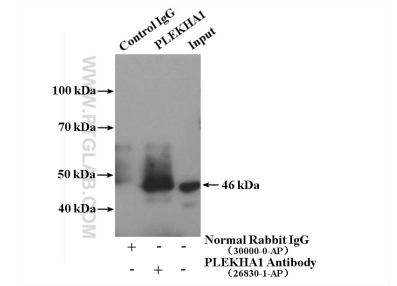
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 26830-1-AP (PLEKHA1 antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using 26830-1-AP (PLEKHA1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 26830-1-AP (PLEKHA1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-PLEKHA1 (IP:26830-1-AP, 4ug; Detection:26830-1-AP 1:1000) with A549 cells lysate 1600 ug.