

For Research Use Only

FGD1 Polyclonal antibody, PBS Only

Catalog Number: 13141-1-PBS



Basic Information

Catalog Number:

13141-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3861

GenBank Accession Number:

BC034530

GeneID (NCBI):

2245

UNIPROT ID:

P98174

Full Name:

FYVE, RhoGEF and PH domain containing 1

Calculated MW:

901 aa, 91 kDa

Observed MW:

130 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

FGD1 is also named as FGDY (Faciogenital dysplasia 1 protein), ZFYVE3 (Zinc finger FYVE domain-containing protein 3), Rho/Rac guanine nucleotide exchange factor FGD1 (Rho/Rac GEF), FYVE, RhoGEF and PH domain-containing protein 1. FGD1 activates CDC42, a member of the Ras-like family of Rho- and Rac proteins, by exchanging bound GDP for free GTP. And FGD1 plays a role in regulating the actin cytoskeleton and cell shape. (PMID: 8969170). FGD1 was markedly overexpressed and might be a prognostic biomarker in osteosarcoma patient specimens (PMID: 32194840). FGD1 is specific for the Rho GTPase cell division cycle 42 (CDC42) (PMID: 22854039).

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:

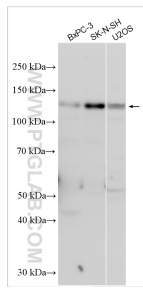
T: 4006900926

E: Proteintech-CN@ptglab.com

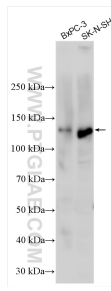
W: ptgcn.com

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

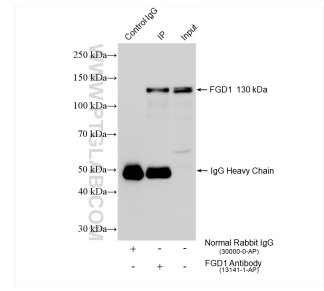
Selected Validation Data



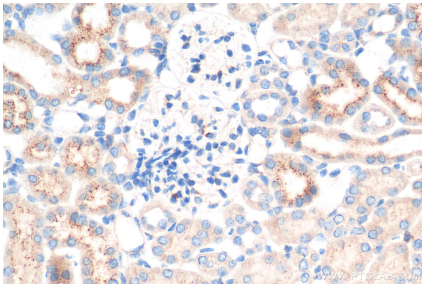
Various lysates were subjected to SDS PAGE followed by western blot with 13141-1-AP (FGD1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 13141-1-PBS in a different storage buffer formulation.



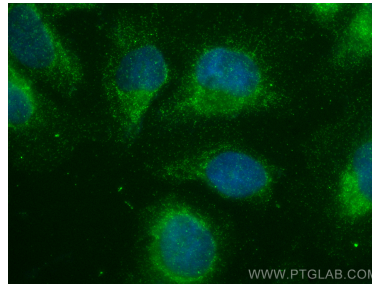
Various lysates were subjected to SDS PAGE followed by western blot with 13141-1-AP (FGD1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 13141-1-PBS in a different storage buffer formulation.



IP result of anti-FGD1 (IP:13141-1-AP, 4ug; Detection:13141-1-AP 1:600) with SK-N-SH cells lysate 1160 ug. This data was developed using the same antibody clone with 13141-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 13141-1-AP (FGD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13141-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using FGD1 antibody (13141-1-AP) at dilution of 1:200 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 13141-1-PBS in a different storage buffer formulation.