

For Research Use Only

FGD1 Polyclonal antibody

Catalog Number: 13141-1-AP



Basic Information

Catalog Number: 13141-1-AP	GenBank Accession Number: BC034530	Purification Method: Antigen affinity purification
Size: 260 µg/ml	GeneID (NCBI): 2245	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P98174	
Isotype: IgG	Full Name: FYVE, RhoGEF and PH domain containing 1	
Immunogen Catalog Number: AG3861	Calculated MW: 901 aa, 91 kDa	
	Observed MW: 130 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : BxPC-3 cells, SK-N-SH cells, U2OS cells IHC : mouse kidney tissue,
Species Specificity: human, mouse, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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 -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:

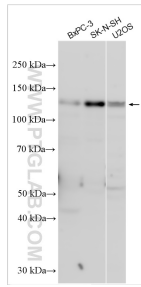
T: 4006900926

E: Proteintech-CN@ptglab.com

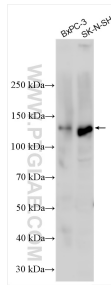
W: ptgcn.com

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

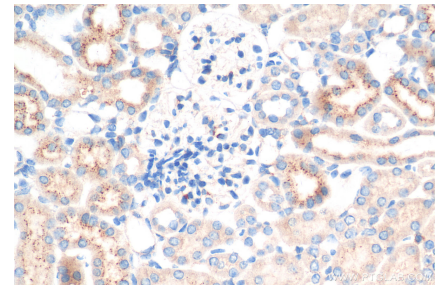
Selected Validation Data



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.



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.



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).