For Research Use Only

FGD1 Recombinant antibody

Catalog Number:84783-2-RR

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Basic Information

Catalog Number:
84783-2-RR

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

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:
Protein A purification

CloneNo.:
242314C3

Recommended Dilutions:
WB 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : SK-N-SH cells, U-87 MG cells, BxPC-3 cells, U2OS cells

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).

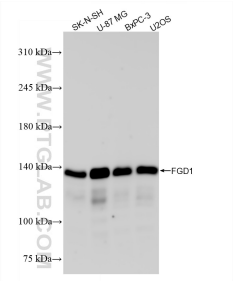
Storage

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

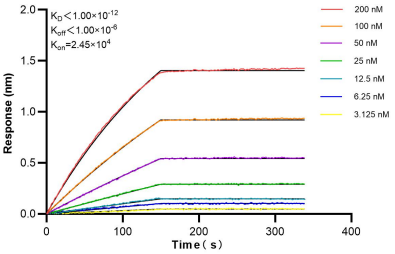
***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84783-2-RR (FGD1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84783-2-RR against Human FGD1 were performed. The affinity constant is below 1 pM.