

For Research Use Only

FGD2 Polyclonal antibody

Catalog Number: 27068-1-AP



Basic Information

Catalog Number: 27068-1-AP	GenBank Accession Number: BC023645	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop and 500 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 221472	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q7Z6J4	
Isotype: IgG	Full Name: FYVE, RhoGEF and PH domain containing 2	
Immunogen Catalog Number: AG25782	Calculated MW: 655 aa, 75 kDa	
	Observed MW: 75 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : Raji cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human tonsillitis tissue, human intrahepatic cholangiocarcinoma tissue

Background Information

FGD2 is a member of the formin family of proteins, which are known for their role in regulating the assembly of actin filaments. Formins are characterized by their ability to nucleate and elongate actin filaments, and they play a crucial role in processes that require dynamic actin structures, such as cell motility and cell division. Mutations or alterations in FGD2 have been associated with certain developmental disorders and diseases. For example, mutations in FGD2 are a cause of faciogenital dysplasia (Aarskog-Scott syndrome), a condition characterized by facial and genital abnormalities and short stature.

Storage

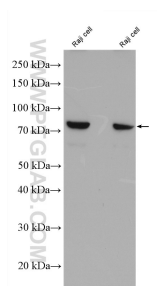
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

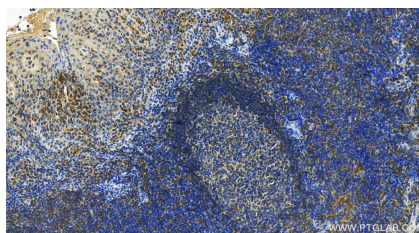
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

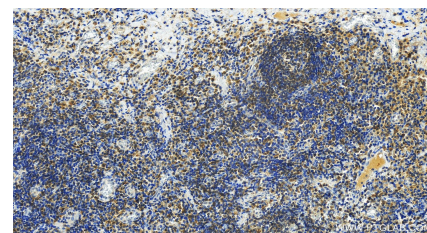
Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 27068-1-AP (FGD2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 27068-1-AP (FGD2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 27068-1-AP (FGD2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).