

For Research Use Only

# FGD2 Polyclonal antibody

Catalog Number: 27068-1-AP



## Basic Information

Catalog Number:

27068-1-AP

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25782

GenBank Accession Number:

BC023645

GeneID (NCBI):

221472

UNIPROT ID:

Q7Z6J4

Full Name:

FYVE, RhoGEF and PH domain containing 2

Calculated MW:

655 aa, 75 kDa

Observed MW:

75 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, 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 : Raji cells,

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

For technical support and original validation data for this product please contact:

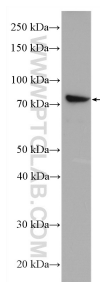
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

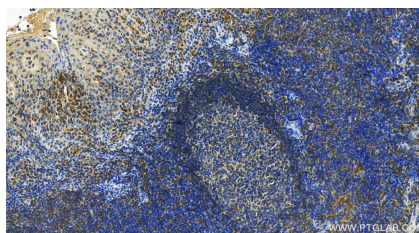
W: [ptgcn.com](http://ptgcn.com)

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

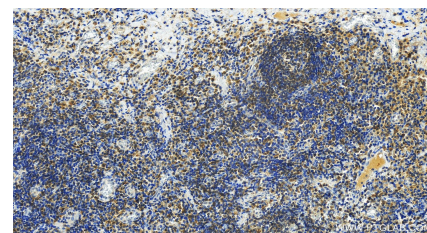
## Selected Validation Data



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).