

# GAB2 Polyclonal antibody

Catalog Number: 29272-1-AP

Featured Product

## Basic Information

## Catalog Number:

29272-1-AP

## Size:

400 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG30347

## GenBank Accession Number:

BC131711

## GeneID (NCBI):

9846

## UNIPROT ID:

Q9UQC2

## Full Name:

GRB2-associated binding protein 2

## Calculated MW:

676 aa, 74 kDa

## Observed MW:

74-90 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

## Tested Applications:

IHC, WB, 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 : K-562 cells,

IHC : human colon cancer tissue, human liver cancer tissue

## Background Information

Growth factor receptor-bound protein 2 (GAB2), an adaptor protein, belongs to the Gab family and is involved in various biologic processes. Gab2 mainly mediates phosphatidylinositol 3-kinase (PI3K) and extracellular signal-regulated kinase (ERK) signaling pathways. Furthermore, Gab2 governs tumorigenic signaling and is a novel potential therapeutic target in leukemia, breast cancer, ovarian cancer, and melanoma. Gab2 is the major 98-kDa phosphoprotein associated with SHP-2, PI 3-kinase, and Grb2 in normal human lymphocytes. (PMID: 32269703, PMID: 28842424, PMID: 28420432, PMID: 10849428)

## 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:

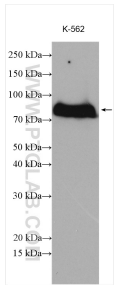
T: 4006900926

E: Proteintech-CN@ptglab.com

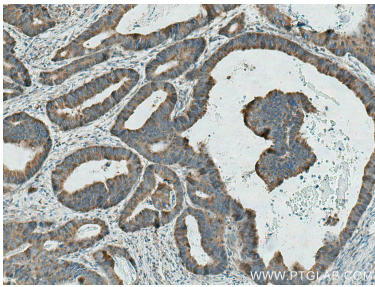
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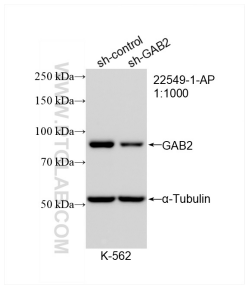
Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 29272-1-AP (GAB2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 29272-1-AP (GAB2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of GAB2 antibody (29272-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GAB2 transfected K-562 cells.