

For Research Use Only

GAB2 Polyclonal antibody

Catalog Number: 29272-1-AP

Featured Product



Basic Information

Catalog Number: 29272-1-AP	GenBank Accession Number: BC131711	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 9846	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9UQC2	
Isotype: IgG	Full Name: GRB2-associated binding protein 2	
Immunogen Catalog Number: AG30347	Calculated MW: 676 aa, 74 kDa	
	Observed MW: 74-90 kDa	

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 : 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

*** 20ul sizes contain 0.1% BSA

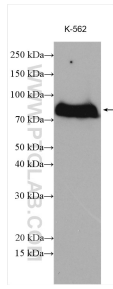
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

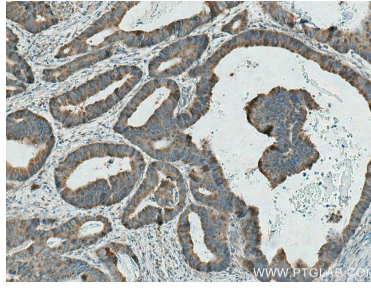
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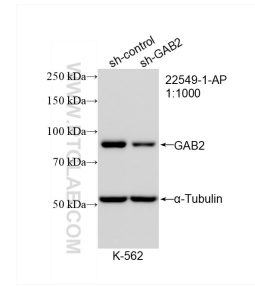
Selected Validation Data



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.