

For Research Use Only

GNB3 Polyclonal antibody

Catalog Number: 10081-1-AP **8 Publications**



Basic Information

Catalog Number: 10081-1-AP	GenBank Accession Number: BC000115	Purification Method: Antigen affinity purification
Size: 200 ug/ml	GeneID (NCBI): 2784	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:100-1:400 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: P16520	
Isotype: IgG	Full Name: guanine nucleotide binding protein (G protein), beta polypeptide 3	
Immunogen Catalog Number: AG0127	Calculated MW: 37 kDa	
	Observed MW: 35-37 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : mouse brain tissue, mouse embryo tissue, rat brain tissue, mouse cerebellum tissue, mouse eye tissue IHC : human liver cancer tissue, IF/ICC : HepG2 cells,
Cited Applications: WB, IF	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, rat, zebrafish	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Guanine nucleotide-binding proteins (g proteins) are involved as a modulator or transducer in various transmembrane signaling systems, by integrating signals between receptors and effector proteins. G proteins are composed of an alpha, a beta, and a gamma subunit. This gene encodes a 34 kd beta subunit, being expressed in all tissues. Beta subunits are important regulators of alpha subunits, as well as of certain signal transduction receptors and effectors.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhongwei Xin	36115836	Nat Commun	IF
Justinn Barr	36073526	Elife	IF
Zsofia I. Laszlo	36309735	Acta Neuropathol Commun	WB

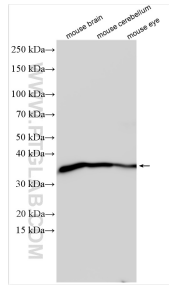
Storage

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

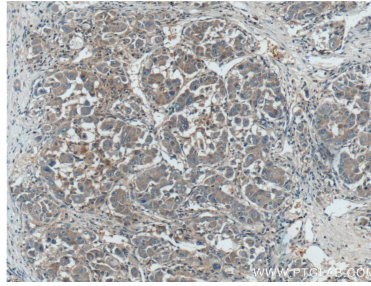
For technical support and original validation data for this product please contact:
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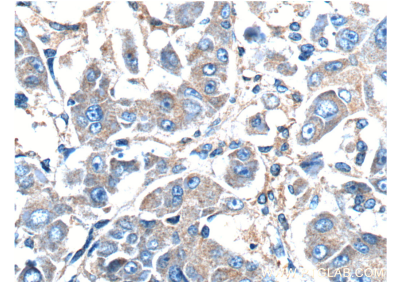
Selected Validation Data



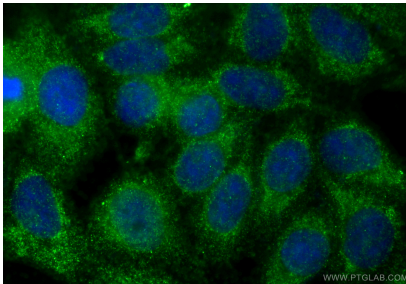
Various lysates were subjected to SDS PAGE followed by western blot with 10081-1-AP (GNB3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10081-1-AP (GNB3 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10081-1-AP (GNB3 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using GNB3 antibody (10081-1-AP) at dilution of 1:400 and Multi-rAb CoraLite @ Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).