

For Research Use Only

# GNB3 Polyclonal antibody

Catalog Number: 15388-1-AP



## Basic Information

<b>Catalog Number:</b> 15388-1-AP	<b>GenBank Accession Number:</b> BC002454	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 750 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2784	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IHC 1:250-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P16520	
<b>Isotype:</b> IgG	<b>Full Name:</b> guanine nucleotide binding protein (G protein), beta polypeptide 3	
<b>Immunogen Catalog Number:</b> AG7050	<b>Calculated MW:</b> 37 kDa	
	<b>Observed MW:</b> 35-37 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> L02 cells, HepG2 cells, mouse brain tissue, rat brain tissue
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human kidney tissue, human brain tissue, human lung tissue, human ovary tissue, human testis tissue

## 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.

## Storage

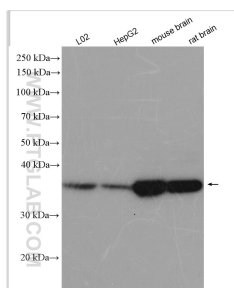
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

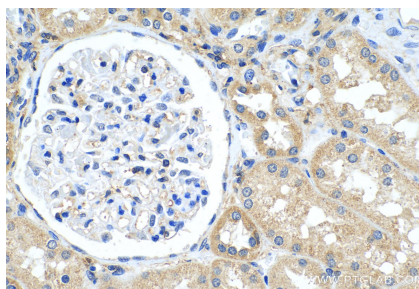
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



L02 cells were subjected to SDS PAGE followed by western blot with 15388-1-AP (GNB3 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 15388-1-AP (GNB3 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).