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**Product Name: GNB2 Rabbit Monoclonal Antibody****Catalog #: AMRe85122**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,IP
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,IP 1:10-1:20
<b>Molecular Weight</b>	Calculated MW: 37 kDa; Observed MW: 32 kDa

**Antigen Information**

<b>Gene Name</b>	GNB2
<b>Alternative Names</b>	Gnb2; Gnb2l1; RACK1; Transducin beta chain 2
<b>Gene ID</b>	2783.0
<b>SwissProt ID</b>	P62879
<b>Immunogen</b>	A synthetic peptide of human GNB2

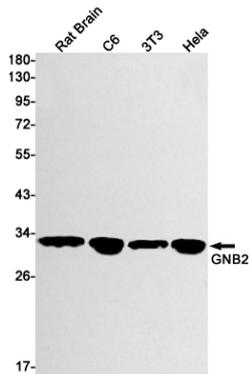
**Background**

Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction.

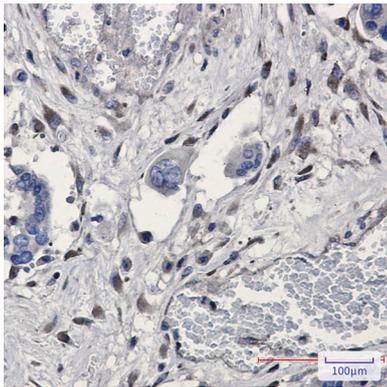
## Research Area

PI3K-Akt signaling pathway

## Image Data



Western blot analysis of GNB2 in rat Brain, C6, 3T3, HeLa lysates using GNB2 antibody.



Immunohistochemistry analysis of paraffin-embedded Human Cholangiocarcinoma using GNB2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.