



# Bombesin Receptor 2 Polyclonal Antibody

<b>Catalog No</b>	BYab-10286
<b>Isotype</b>	IgG
<b>Reactivity</b>	Rat;Mouse
<b>Applications</b>	WB;IHC;IF
<b>Gene Name</b>	
<b>Protein Name</b>	
<b>Immunogen</b>	Synthetic Peptide of Bombesin Receptor 2
<b>Specificity</b>	The antibody detects endogenous Bombesin Receptor 2 protein
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	YM3490
<b>Observed Band</b>	50-70kD
<b>Cell Pathway</b>	
<b>Tissue Specificity</b>	
<b>Function</b>	
<b>Background</b>	Gastrin-releasing peptide (GRP) regulates numerous functions of the gastrointestinal and central nervous systems, including release of gastrointestinal hormones, smooth muscle cell contraction, and epithelial cell proliferation and is a potent mitogen for neoplastic tissues. The effects of GRP are mediated through the gastrin-releasing peptide receptor. This receptor is a glycosylated, 7-transmembrane G-protein coupled receptor that activates the phospholipase C signaling pathway. The receptor is aberrantly expressed in numerous cancers such as those of the lung, colon, and prostate. An individual with autism and multiple exostoses was found to have a balanced translocation between

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chromosome 8 and a chromosome X breakpoint located within the gastrin-releasing peptide receptor gene.

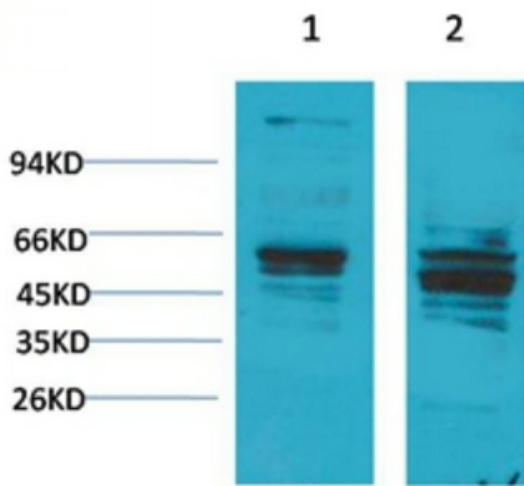
**matters needing attention**

Avoid repeated freezing and thawing!

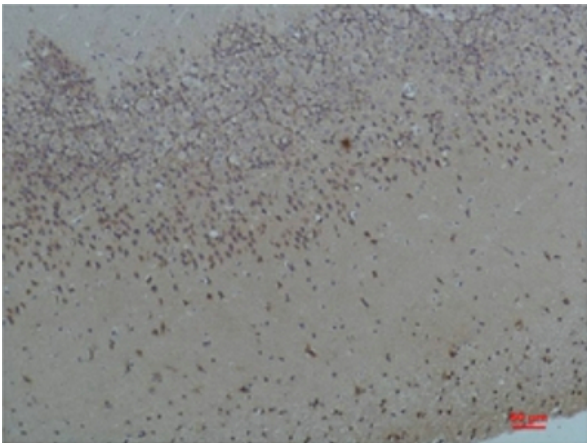
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Western blot analysis of 1) Mouse Brain Tissue, 2) Rat Brain Tissue with Bombesin Receptor 2 Rabbit pAb diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using Bombesin Receptor 2 Rabbit pAb diluted at 1:200.

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