



## GABAA Rβ2 Polyclonal Antibody

Catalog No         BYab-16418           Isotype         IgG           Reactivity         Human;Mouse;Rat           Applications         WB;IHC;IF;ELISA           Gene Name         GABRB2           Protein Name         Gamma-aminobutyric acid receptor subunit beta-2           Immunogen         The antiserum was produced against synthesized peptide derived from human GABAA Rbata2. AA range:382-431           Specificity         GABAA Rβ2 Polyclonal Antibody detects endogenous levels of GABAA Rβ2 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Polyclonal, Rabbit,IgG           Purification         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000 IHC: 1/100 - 1/300. ELISA: 1/40000 IF 1:50-200           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         GABRB2; Gamma-aminobutyric acid receptor subunit beta-2; GABA(A) receptor subunit beta-2; GABA(C) in ceptor subunit beta-2; GABA(C) in ceptor subunit beta-2           Observed Band         Cell pathway         Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane; Multi-pass membrane pr		
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Gene Name         GABRB2           Protein Name         Gamma-aminobutyric acid receptor subunit beta-2           Immunogen         The antiserum was produced against synthesized peptide derived from human GABAA Rbeta2. AA range:382-431           Specificity         GABAA RBeta2. Polyclonal Antibody detects endogenous levels of GABAA Rβ2 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Polyclonal, Rabbit, IgG           Purification         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000 IHC: 1/100 - 1/300. ELISA: 1/40000 IF 1:50-200           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         GABRB2; Gamma-aminobutyric acid receptor subunit beta-2; GABA(A) receptor subunit beta-2; GABA(E) receptor subunit b	Reactivity	Human;Mouse;Rat
Protein Name         Gamma-aminobutyric acid receptor subunit beta-2           Immunogen         The antiserum was produced against synthesized peptide derived from human GABAA Rbeta2. AA range:382-431           Specificity         GABAA Rβ2 Polyclonal Antibody detects endogenous levels of GABAA Rβ2 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Polyclonal, Rabbit, lgG           Purification         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000 IHC: 1/100 - 1/300. ELISA: 1/40000 IF 1:50-200           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         GABRB2; Gamma-aminobutyric acid receptor subunit beta-2; GABA(A) receptor subunit beta-2           Observed Band         Cell punction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane.           Tissue Specificity         Isoform 1 and isoform 2 show reduced expression in schizophrenic brain. Isoform 3 shows increased expression in schizophrenic and bipolar disorder brains while isoform 4 shows reduced expression.           Function         function:GABA, the major inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel, online information:Forbidden fruit - Issue 56 of March 2005, similarity:Belongs to the liquand	Applications	WB;IHC;IF;ELISA
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Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Polyclonal, Rabbit,IgG  The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000 IHC: 1/100 - 1/300. ELISA: 1/40000 IF 1:50-200  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms GABRB2; Gamma-aminobutyric acid receptor subunit beta-2; GABA(A) receptor subunit beta-2  Observed Band  Cell Pathway Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane.  Tissue Specificity 3 shows increased expression in schizophrenic brain. Isoform 3 shows increased expression in schizophrenic and bipolar disorder brains while isoform 4 shows reduced expression.  Function function: GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel, online information:Forbidden fruit Issue 56 of March 2005, similarity: Belongs to the ligand-gated ionic channel (TC 1.A.9) family. subunit; Generally pentameric. There are five types of GABA(A)	Immunogen	
Source         Polyclonal, Rabbit, IgG           Purification         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000 IHC: 1/100 - 1/300. ELISA: 1/40000 IF 1:50-200           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         GABRB2; Gamma-aminobutyric acid receptor subunit beta-2; GABA(A) receptor subunit beta-2           Observed Band         Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane.           Tissue Specificity         Isoform 1 and isoform 2 show reduced expression in schizophrenic brain. Isoform 3 shows increased expression in schizophrenic and bipolar disorder brains while isoform 4 shows reduced expression.           Function         function:GABA, the major inhibitior by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel.,online information:Forbidden fruit-lissue 56 of March 2005,similarity:Belongs to the ligand-gated ionic channel (TC 1.A.9) family, subunit;Generally pentameric. There are five types of GABA(A)	Specificity	
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Nanjing BYabscience technology Co.,Ltd



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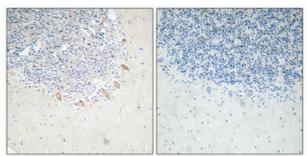


Background	The gamma-aminobutyric acid (GABA) A receptor is a multisubunit chloride channel that mediates the fastest inhibitory synaptic transmission in the central nervous system. This gene encodes GABA A receptor, beta 2 subunit. It is mapped to chromosome 5q34 in a cluster comprised of genes encoding alpha 1 and gamma 2 subunits of the GABA A receptor. Alternative splicing of this gene generates 2 transcript variants, differing by a 114 bp insertion. [provided by RefSeq, Jul 2008],
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.

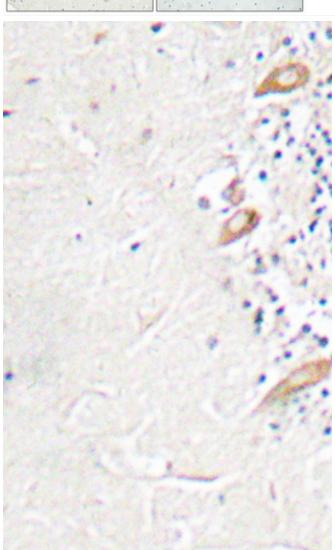




## **Products Images**



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunohistochemistry analysis of GABAA R $\beta2$  antibody in paraffin-embedded human brain tissue.

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