

**GABAA R $\beta$ 2 rabbit pAb****Cat#: orb768305 (Manual)**

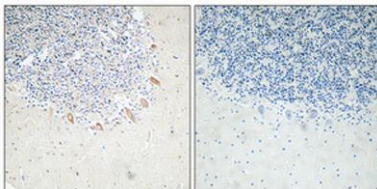
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<b>Product Name</b>	GABAA R $\beta$ 2 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	WB 1:500-2000 Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human GABAA R $\beta$ 2. AA range:382-431
<b>Specificity</b>	GABAA R $\beta$ 2 Polyclonal Antibody detects endogenous levels of GABAA R $\beta$ 2 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Gamma-aminobutyric acid receptor subunit beta-2
<b>Gene Name</b>	GABRB2
<b>Cellular localization</b>	Cell junction, synapse, postsynaptic cell membrane ; Multi-pass membrane protein . Cell membrane ; Multi-pass membrane protein . Cytoplasmic vesicle membrane .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

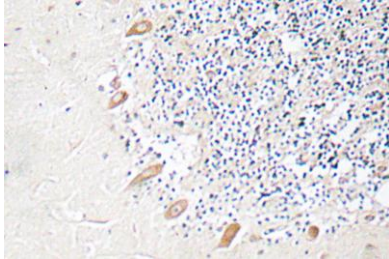
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	
<b>Human Gene ID</b>	2561
<b>Human Swiss-Prot Number</b>	P47870
<b>Alternative Names</b>	GABRB2; Gamma-aminobutyric acid receptor subunit beta-2; GABA(A) receptor subunit beta-2

**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],



**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. Negative ctrl (right) obtained from antibody was pre-absorbed by i**



**Immunohistochemistry analysis of GABAA R $\beta$ 2 antibody in paraffin-embedded human brain tissue.**