

## Product datasheet for **TA305622**

### **GABA A Receptor alpha 4 (GABRA4) Goat Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	WB: 0.1-0.3ug/ml.
<b>Reactivity:</b>	Human (Expected from sequence similarity: Cow)
<b>Host:</b>	Goat
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Peptide with sequence C-EKAKRKTSPPE, from the internal region of the protein sequence according to NP_000800.2.
<b>Formulation:</b>	0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20C. Minimize freezing and thawing.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Gene Name:</b>	gamma-aminobutyric acid type A receptor alpha4 subunit
<b>Database Link:</b>	<a href="#">NP_000800</a> <a href="#">Entrez Gene 2557 Human</a> <a href="#">P48169</a>
<b>Background:</b>	GABA is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA-A receptors, which are ligand-gated chloride channels. Chloride conductance of these channels can be modulated by agents such as benzodiazepines that bind to the GABA-A receptor. At least 16 distinct subunits of GABA-A receptors have been identified. [provided by RefSeq]
<b>Synonyms:</b>	alpha 4; gamma-aminobutyric acid (GABA) A receptor; gamma-aminobutyric acid A receptor



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**Protein Families:** Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane

**Protein Pathways:** Neuroactive ligand-receptor interaction

**Product images:**



TA305622 (0.1ug/ml) staining of Human Frontal Cortex lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.