# Rabbit GABRA4 Polyclonal Antibody | anti-GABRA4 antibody

GABRA4 Antibody

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA324736** | **Rabbit** | **Human, Mouse, Rat** | **ELISA, Immunocytochemistry, Immunofluorescence, Western Blot** |

## PRODUCT SYNONYMS

GABRA4; Polyclonal Antibody; GABRA4 Antibody; GABA(A) receptor subunit alpha 4; GABA(A) receptor subunit alpha-4; GABR A4; GABRA 4; Gabra4; Gamma aminobutyric acid (GABA) A receptor alpha 4; Gamma aminobutyric acid A receptor alpha 4; Gamma aminobutyric acid receptor alpha 4 subunit; Gamma aminobutyric acid receptor subunit alpha 4; Gamma-aminobutyric acid receptor subunit alpha-4; GBRA4_HUMAN; anti-GABRA4 antibody

## PRODUCT SPECIFICATIONS

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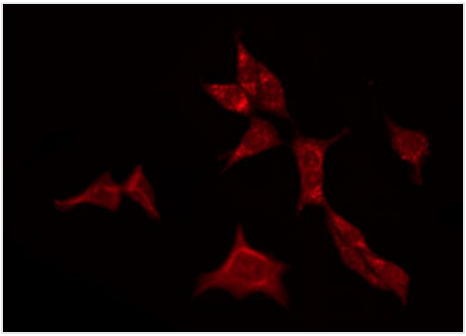
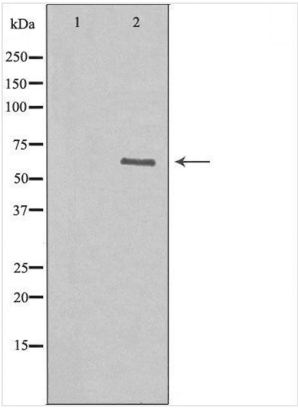
|---|---|
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Specificity** | GABRA4 antibody detects endogenous levels of total GABRA4 |
| **Purity/Purification** | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. |
| **Form/Format** | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Concentration** | 1mg/ml (varies by lot) |
| **Sequence Length** | 554 |
| **Applicable Applications for anti-GABRA4 antibody** | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot) |
| **Immunogen** | A synthesized peptide |
| **Subcellular Location** | Cell Junction > Synapse > Postsynaptic Cell Membrane. Cell Membrane. |
| **Tissue Specificity** | The alpha4 beta2 gamma 2L receptor is not repressed by diazepam. |
| **Predicted Cross Reactivity** | **Pig, Bovine, Horse, Sheep, Rabbit** |
| **Similarity** | Pig (88%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (88%) |
| **Conjugation** | Unconjugated |
| **Preparation and Storage** | Store at -20 degree C. Stable for 12 months from date of receipt. |

## IMAGES



**IF (Immunofluorescence)**
AAA324736 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.




**WB (Western Blot)**
Western blot analysis of extracts from HepG2 cells, using GABRA4 antibody.

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-GABRA4 antibody** | 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.<br>Subunit Structure: Generally pentameric. There are five types of GABA(A) receptor chains: alpha, beta, gamma, delta, and rho.<br>Similarity: Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRA4 sub-subfamily. |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 34452723 |
| **NCBI GeneID** | 2557 |
| **NCBI Accession #** | NP_000800.2 |
| **NCBI GenBank Nucleotide #** | NM_000809.3 |
| **UniProt Accession #** | P48169; Q8IYR7 |
| **Molecular Weight** | Observed: 62 kD<br>Predicted: 62 kDa |
| **NCBI Official Full Name** | gamma-aminobutyric acid receptor subunit alpha-4 isoform 1 |
| **NCBI Official Synonym Full Names** | gamma-aminobutyric acid type A receptor alpha4 subunit |
| **NCBI Official Symbol** | GABRA4 |
| **NCBI Protein Information** | gamma-aminobutyric acid receptor subunit alpha-4 |
| **UniProt Protein Name** | Gamma-aminobutyric acid receptor subunit alpha-4 |
| **UniProt Gene Name** | **GABRA4** |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/gabra4-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324736