Anti-GABRA2 Antibody

ER1909-25

Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit
Applications:	WB, ELISA, IHC-P, FC, IF, ICC
Molecular Wt:	48 KDa

Description: 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.

Immunogen: KLH conjugated synthetic peptide derived from human GABRA2/GABA A Receptor alpha 2 185-280/451

Subcellular location: Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein.

Database links: SwissProt: P47869 Human

Recommended Dilutions:

WB	1:500-2000
ELISA	1:5000-10000
IHC-P	1:100-500
FC	1μg/Test
IF	1:100-500
ICC	1:100-500

Storage Buffer: 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Storage Instruction: Store at -20℃ for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20℃. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4℃.

Purity: Protein A affinity purified.

Images

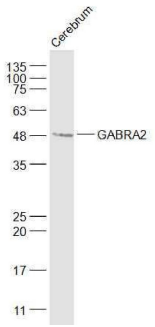

Fig1: Sample:
Cerebrum (Mouse) Lysate at 40 ug
Primary: Anti-GABRA2 (ER1909-25) at 1/1000 dilution
Secondary: Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 48 kD
Observed band size: 48 kD

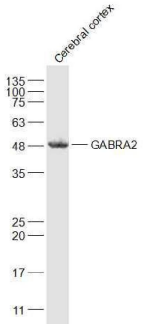

Fig2: Sample:
Cerebral cortex(Rat) Lysate at 40 ug
Primary: Anti-GABRA2 (ER1909-25) at 1/1000 dilution
Secondary: Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 48 kD
Observed band size: 48 kD

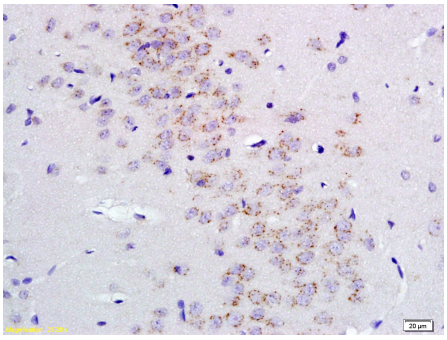

Fig3: Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-GABRA2 Polyclonal Antibody, Unconjugated(ER1909-25) 1:200, overnight at 4℃, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

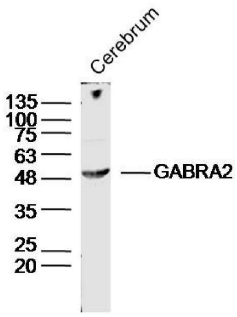

Fig4: Sample: Cerebrum (mouse) Lysate at 40 ug
Primary: Anti- GABRA2(ER1909-25) at 1/300 dilution
Secondary: Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 48 kD
Observed band size: 50 kD

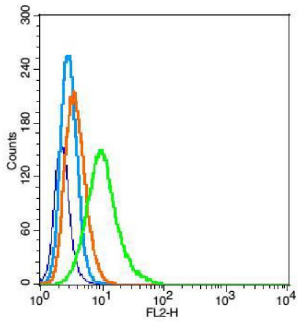

Fig5: Blank control(blue):RSC96 (fixed with 2% paraformaldehyde (10 min)).
Primary Antibody:Rabbit Anti- GABRA2 antibody(ER1909-25), Dilution: 1μg in 100 μL 1X PBS containing 0.5% BSA;
Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions);
Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".