

## Anti-GABA A Receptor gamma 2 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Horse)
Molecular Weight:	Theoretical: 51 kDa. Actual: 51 kDa.
Purification:	Protein A purified

### Applications

1. Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GABA A Receptor gamma 2) Polyclonal Antibody, Unconjugated (TMAB-00728) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

2. Sample:

Cerebrum (Mouse) Lysate at 40 µg

Cerebrum (Rat) Lysate at 40 µg

Primary: Anti-GABA A Receptor gamma 2 (TMAB-00728) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

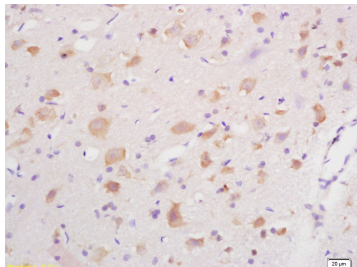
Predicted band size: 51 kDa

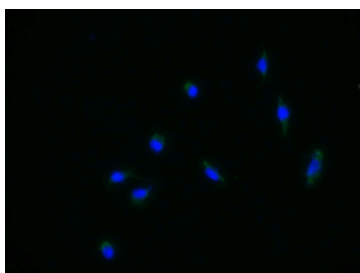
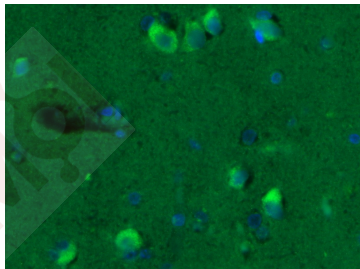
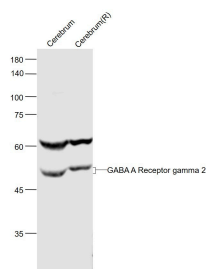
Observed band size: 51 kDa

3. Paraformaldehyde-fixed, paraffin embedded (Human glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GABA A Receptor gamma 2) Polyclonal Antibody, Unconjugated (TMAB-00728) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody for 90 minutes, and DAPI for nucleus staining.

4. SH-SY5Y cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (GABA A Receptor gamma 2) polyclonal Antibody, Unconjugated (TMAB-00728) 1:25, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.

Verified Activity:





Application: IF,IHC-Fr,IHC-P,WB

Recommended IF=1:200-800; IHC-Fr=1:200-800; IHC-P=1:200-800; WB=1:500-2000

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human GABRG2/GABA A Receptor gamma 2

Antigen Species: Human

Gene ID: 2566

Uniprot ID: P18507

Synonyms: ECA 2;GABA(A) receptor subunit gamma 2;CAE 2;gamma aminobutyric acid(GABA) A receptor gamma 2;gamma aminobutyric acid receptor gamma 2 subunit;gamma-aminobutyric acid receptor subunit gamma-2;GABRG 2;ECA2;GBRG2;GEFSP 3;gamma aminobutyric acid A receptor gamma 2;GABRG2;CAE2;GEFSP3

Biology Area: GABA Receptors,GABA

### Research Background

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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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