

Anti-GABRA5 Antibody (3J289)

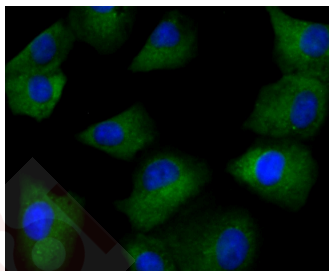
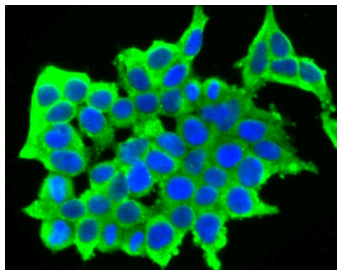
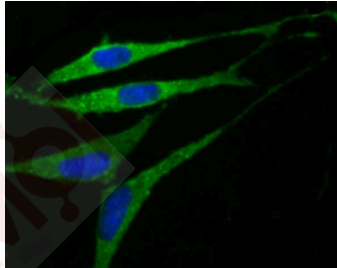
Product Details

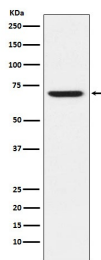
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 70 kDa.
Clone:	3J289
Purification:	ProA affinity purified

Applications

Verified Activity:

1. ICC staining GABA A Receptor alpha 5 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
2. ICC staining GABA A Receptor alpha 5 in 293T cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
3. ICC staining GABA A Receptor alpha 5 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
4. Western blot analysis of GABA A Receptor alpha 5 expression in 293T cell lysate.





Application: ICC/IF, WB

Recommended WB: 1:500-2000; ICC/IF: 1:50-200

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: Recombinant Protein

Uniprot ID: P31644

Synonyms: GABA(A) receptor subunit alpha-5; Gamma-aminobutyric acid receptor subunit alpha-5; GABRA5

Research Background

GAD-65 and GAD-67, glutamate decarboxylases, function to catalyze the production of GABA (gamma-aminobutyric acid). In the central nervous system GABA functions as the main inhibitory transmitter by increasing a Cl⁻ conductance that inhibits neuronal firing. GABA has been shown to activate both ionotropic (GABAA) and metabotropic (GABAB) receptors as well as a third class of receptors called GABAC. Both GABAA and GABAC are ligand-gated ion channels, however, they are structurally and functionally distinct. Members of the GABAA receptor family include GABAA R α ;1-6, GABAA R β ;1-3, GABAA R γ ;1-3, GABAA R δ ;, GABAA R ϵ ;, GABAA R ζ 1 and GABAA R ζ 2. The GABAB family is composed of GABAB R1 α ; and GABAB R1 β ;. GABA transporters have also been identified and include GABA T-1, GABA T-2 and GABA T-3 (also designated GAT-1, -2, and -3). The GABA transporters function to terminate GABA action.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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