

GABA A Receptor alpha 5 Rabbit mAb

Catalog No: #49791



Package Size: #49791-1 50ul #49791-2 100ul

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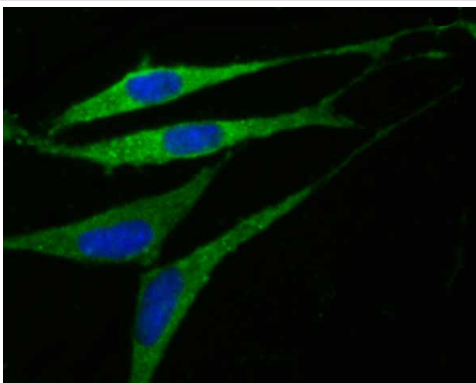
Description

Product Name	GABA A Receptor alpha 5 Rabbit mAb
Clone No.	JB34-19
Purification	ProA affinity purified
Applications	WB, ICC/IF
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	GAA 5 antibody GAA5 antibody GABA(A) receptor subunit alpha-5 antibody GABRA 5 antibody Gabra5 antibody Gamma aminobutyric acid GABA A receptor alpha 5 antibody Gamma aminobutyric acid GABA A receptor alpha 5 precursor antibody Gamma aminobutyric acid receptor alpha 5 subunit precursor GABA A receptor antibody Gamma-aminobutyric acid receptor subunit alpha-5 antibody GBRA5_HUMAN antibody GC138184 antibody
Accession No.	Swiss-Prot#:P31644
Calculated MW	70kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

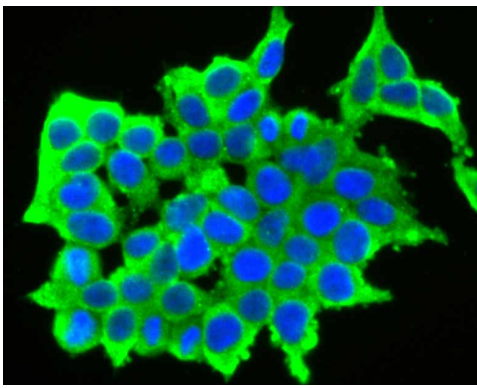
Application Details

WB 1:500~1:2000 ICC/IF 1:50~1:200

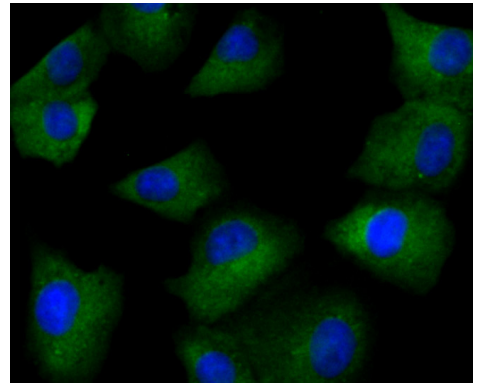
Images



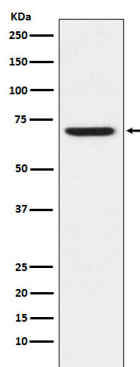
ICC staining GABA A Receptor alpha 5 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



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.



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.



Western blot analysis of GABA A Receptor alpha 5 expression in 293T cell lysate.

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 ω 1 and GABAA R ω 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.

References

1. Denis N J et al. Tryptic digestion of ubiquitin standards reveals an improved strategy for identifying ubiquitinated proteins by mass spectrometry. *Proteomics* 7:868-874 (2007).
2. Kaneko Y et al. Oxytocin modulates GABAAR subunits to confer neuroprotection in stroke in vitro. *Sci Rep* 6:35659 (2016).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.