Anti-GABA-A receptor-delta (MOUSE) Monoclonal Antibody - 200-301-F33

Code: 200-301-F33 **Size:** 100 µg

Product Description: Anti-GABA-A receptor-delta (MOUSE) Monoclonal Antibody - 200-301-F33

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Mouse
Gene Name	Gabrd
Species Reactivity	Rat, Mouse
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	50% (v/v) Glycerol
Preservative	0.09% (w/v) Sodium Azide
Storage Condition	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	GABAA-RD, Gabrd, MGC105467, Gamma-aminobutyric acid receptor subunit delta, GABA(A) receptor subunit delta
Application Note	Anti-GABA-A receptor delta Antibody is suitable for use in WB and IF microscopy. Expect a band approximately ~55kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Background	The GABA-A receptor is a member of the superfamily of fast acting ligand-gated ion channels. The individual subunits of these receptors have similar sequences and structural features. GABA-A receptors are the major fast inhibitory neurotransmitter gated ion channels in the brain.
Purity And Specificity	Anti-GABA-A receptor delta Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with GABA-A receptor delta from mouse and rat based on 100% homology with the immunizing sequence. No cross-reactivity against GABA-A-R-Beta 2 or –Beta3. Cross-reactivity with GABA-A receptor delta from other sources has not been determined. Ion Channels research.
ELISA	1:5000-1:25,000
Western Blot	1-10ug/mL
Immunohistochemistry	0.1-1.0ug/mL
IF Microscopy	1.0-10ug/mL
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	GABA-A receptor-delta Antibody was produced in mice by repeated immunizations with a synthetic peptide corresponding to an internal region of rat GABA-A-R-Delta.
General Reference	1. Hille B. (2001) Ion Channels of Excitable Membranes, 3rd Ed., Sinauer Associated Inc.: Sunderland, MA USA. 2. www.iochannels.org 3. Bracamontes J.R. and Steinbach J.H. (2008) J Bio Chem. 283: 26128-26136. 4. Macdonald R.L., Olsen R.W. (1993) Annu Rev Neurosci. 17: 569-602.

Related Products

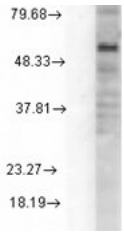
100-401-408	Anti-NOTCH 2 (Cleaved N terminal) (Human specific) (RABBIT) Antibody - 100-401-408
600-401-216	Anti-FREQUENIN (RABBIT) Antibody - 600-401-216
600-401-C01	Anti-NogoA (Rabbit) Antibody - 600-401-C01
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302

Related Links

	NCBI - NP_058985.1
http://www.ncbi.nlm.nih.gov/protein/NP_058985.1	
GeneID - 29689	http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=29689
	UniProtKB - P18506

Images

1	Western Blot of mouse anti-GABA-A Receptor Delta antibody. Lane 1: Rat cell line mix. Load: 15 µg per lane.Primary antibody: GABA-A Receptor Delta antibody at 1:1000 for 2hr at RT.Secondary antibody: Sheep Anti-mouse HRP secondary antibody at 1:10,000 for 60 min at RT.Block: 1.5% BSA for 30 min at RT.Predicted/Observed size: 50.6 kDa, ~53 kDa for GABA-A Receptor Delta. Other band(s): none.



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.