Human Galanin R2/GALR2
Alexa Fluor® 594-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 616520

Catalog Number: FAB6544T

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GAL-R2 in direct ELISAs.
Source	Monoclonal Mouse IgG_{2B} Clone # 616520
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human Galanin R2 Accession # O43603
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10^6 cells	HEK293 Human Cell Line Transfected with Human Galanin R2/GALR2 and eGFP

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** • 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

GALR2 (Galanin Receptor 2) is one of three 54-60 kDa G-protein coupled multipass transmembrane receptors for the Galanin neuropeptide. Galanin is co-expressed with and modulates noradrenaline and serotonin systems. GALR2 is thought to modulate growth and apoptosis. Unlike GALR and GALR3, it is thought to be anti-depressive. GALR2 mRNA is found mainly in the central nervous system (except for cerebral cortex), but also in intestine, heart, kidney, liver and many cancers. The combined extracellular domains of human GALR2 share 82% and 86% amino acid identity with mouse and rat GALR2, respectively.

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bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449