Human/Mouse/Rat MCHR1 Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 851047

Catalog Number: FAB7938R

100 µg

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human MCHR1 in ELISAs. Detects human, mouse and rat MCHR1 in Western Blots
Source	Monoclonal Mouse IgG_{2A} Clone # 851047
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human MCHR1 Ser2-Pro113 Accession # Q99705
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

DATA

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

MCHR1 (melanin-concentrating hormone receptor-1), also called GPR24 (G-protein coupled receptor 24) or SLC1 (somatostatin receptor-like 1), is an approximately 44 kDa, seven-transmembrane receptor for MHC. It is most highly expressed in the brain but is also present in peripheral tissues. Engagement of MHCR1 has effects on food intake, energy homeostasis, anxiety and depression, such that rodents treated with small molecule antagonists weigh less and show reduced anxiety and depression in model systems than untreated rodents. Human MCHR1 shares 74% amino acid (aa) sequence identity with mouse MCHR1 between aa 1-113, and 82% with rat MCHR1 between aa 71-113.

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