Human VIPR2 Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 476031

Catalog Number: FAB5416V

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human VIP R2 in direct ELISAs.
Source	Monoclonal Mouse IgG_1 Clone # 476031
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human VIP R2 Glu24-Ile438 Accession # P41587
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.*

Immunohistochemistry	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

Human VIP R2 (Vasoactive intestinal polypeptide receptor 2) is a 47 kDa (predicted) seven transmembrane receptor that belongs to the G protein coupled receptor 2 family of proteins. In addition to the seven transmembrane regions, the mature chain also contains in its first extracellular region a hormone receptor domain (aa 49-114), which includes three N-linked glycosylation sites. Human VIP R2 shares 85% aa identity with mouse and rat VIP R2. VIP R2 is expressed predominantly in skeletal muscle and to a lesser extent in the brain, heart, pancreas, and placenta. VIP R2 is coupled to a cAMP mediated signal transduction pathway and binds VIP and pituitary adenylate cyclase activating polypeptide (PACAP).

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