Human DPP10 Alexa Fluor® 350-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 453601

Catalog Number: FAB4100U

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human DPP10 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) DPPIV or rhDPP6 is observed.
Source	Monoclonal Rat IgG_{2A} Clone # 453601
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*S. frugiperda* insect ovarian cell line *Sf* 21-derived recombinant human DPP10 isoform 1 Leu56-Glu796 (Pro340Ala) Accession # NP_065919
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% 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.

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

DPP10 (dipeptidyl peptidase 10; also DPPY, DPRP3 and DPL2) is a 91-97 kDa member of the peptidase S9B family. It is a type II transmembrane glycoprotein principally expressed in neurons and T cells. Although it is a peptidase member, it has no catalytic activity. Instead, it assists in the membrane trafficking and functioning of Kv4 K^+ channels. Human DPP10 is 796 amino acids (aa) in length. It contains a 34 aa cytoplasmic N-terminus and a 741 aa extracellular domain (ECD) (aa 56-796). Three potential isoforms exist, all involving aa substitutions limited to the first 20 amino acids. The ECD of human DPP10 shares 89% aa sequence identity with mouse DPP10 ECD.

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