Human DPP9 Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 757004

Catalog Number: FAB5419V

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human DPP9 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) DPPIV/CD26 or rhDPP10 is observed.
Source	Monoclonal Mouse IgG_1 Clone # 757004
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*S. frugiperda* insect ovarian cell line *Sf* 21-derived recombinant human DPP9 Arg2-Leu892 (predicted) Accession # Q1ZZB8
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.
Immunocytochemistry	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

DPP9 is a member of the S9b family of serine peptidases (1, 2). It shares 19% amino acid identity with DPP4 and 58% amino acid identity with DPP8. It exhibits post-proline dipeptidyl aminopeptidase activity, cleaving Xaa-Pro dipeptides from the N-terminus of oligo- and polypeptides (3). Unlike DPP4, DPP9 does not appear to be membrane bound and is localized exclusively in the cytoplasm (4). This family of proline-specific dipeptidyl peptidases has been implicated in a variety of diseases including type 2 diabetes, obesity and cancer, and has been a potential target for drug discovery (5, 6).

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