

A Reliable Research Partner in Life Science and Medicine

Recombinant DPP4/CD26 Monoclonal Antibody

catalog number: AN301964L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human; Rat; Mouse

Immunogen Recombinant human DPP4/CD26 fragment

HostRabbitIsotypeIgG, κCloneA680

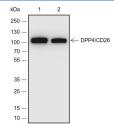
Purification Protein Apurified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

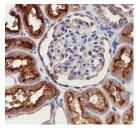
WB 1:500-1:1000 IHC 1:200-1:500

Data



Western Blot with DPP4/CD26 Monoclonal Antibody at dilution of 1:1000. Lane 1: U87-MG, Lane 2: PC-3

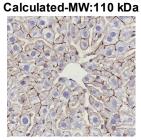
Observed-MW:110 kDa Calculated-MW:110 kDa



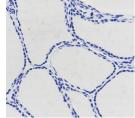
kDa 1 2 3 250 — 130 — 100 — 70 — 55 — 35 — 25 — 15 — 10 —

Western Blot with DPP4/CD26 Monoclonal Antibody at dilution of 1:1000. Lane 1: Human liver, Lane 2: Mouse

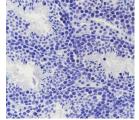
thymus, Lane 3: Rat thymus Observed-MW:110 kDa



Immunohistochemistry of paraffin-embedded Human kidney Immunohistochemistry of paraffin-embedded Mouse liver using DPP4/CD26 Monoclonal Antibody at dilution of 1:500. using DPP4/CD26 Monoclonal Antibody at dilution of 1:500.



Immunohistochemistry of paraffin-embedded Human thyroid(Negative tissue) using DPP4/CD26 Monoclonal Antibody at dilution of 1:500.



Immunohistochemistry of paraffin-embedded Mouse testis(Negative tissue) using DPP4/CD26 Monoclonal Antibody at dilution of 1:500.

Rev. V1.1

For Research Use Only



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Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

Background

DPP4/CD26 is a type II transmembrane glycoprotein expressed ubiquitously in most tissues and different cell types. The protein has a short cytoplasmic domain, transmembrane domain, a flexible stalk fragment and extracellular fragment. Both the catalytic peptide hydrolase domain and the beta-propeller ligand binding domain are located in the extracellular fragment. DPP4/CD26 is a multifunctional protein that exists in both a membrane bound form as well as an extracellular soluble form. As a peptidase, it removes N-terminal dipeptides sequentially from proteins with a proline or alanine as the penultimate P1 amino acid. DPP4/CD26 has been shown to cleave a wide range of substrates including GLP-1, BNP, etc. In addition to its peptidase activity, DPP4/CD26 interacts with multiple important cell surface ligands, such as adenosine deaminase, fibronectin, and IGF2 receptor to influence processes like T cell activation, cell migration and proliferation.