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ABclonal Technology
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CD26/DPP4 Rabbit mAb

Catalog No.: A4252   **Recombinant**   **1 Publications**

Basic Information

Observed MW
105kDa

Calculated MW
88kDa

Category
SMab Recombinant Monoclonal Antibody

Applications
WB,ELISA

Cross-Reactivity
Human,Mouse,Rat

CloneNo number
ARC0939

Background

The DPP4 gene encodes dipeptidyl peptidase 4, which is identical to adenosine deaminase complexing protein-2, and to the T-cell activation antigen CD26. It is an intrinsic type II transmembrane glycoprotein and a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides. Dipeptidyl peptidase 4 is highly involved in glucose and insulin metabolism, as well as in immune regulation. This protein was shown to be a functional receptor for Middle East respiratory syndrome coronavirus (MERS-CoV), and protein modeling suggests that it may play a similar role with SARS-CoV-2, the virus responsible for COVID-19.

Recommended Dilutions

WB   1:500 - 1:1000

Immunogen Information

Gene ID
1803

Swiss Prot
P27487

Immunogen
A synthetic peptide corresponding to a sequence within amino acids 667-766 of human CD26/DPP4 (P27487).

Synonyms
CD26; ADABP; ADCP2; DPPIV; TP103; CD26/DPP4

Contact
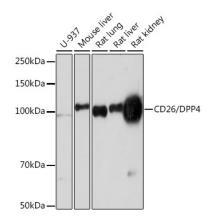
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Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data

Western blot analysis of extracts of various cell lines, using CD26/DPP4 Rabbit mAb (A4252) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 3min.