



Anti-DPP4 (Extracellular) monoclonal antibody, clone 0G2.3 (CABT-B1429)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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|---------------------------|--|
| Specificity | Reacts with both membrane-bound (MDPP) and soluble (SDPP) forms. |
| Immunogen | GST-tagged recombinant protein corresponding to the extracellular domain of human DDPIV/CD26. |
| Isotype | IgG2a, κ |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Clone | 0G2.3 |
| Purification | Protein G Purified |
| Conjugate | Unconjugated |
| Applications | WB |
| Epitope | extracellular domain |
| Molecular Weight | ~100 kDa observed. Due to glycosylation, target band appears larger than the calculated molecular weight of 88.3 (MDPP) & 84.4 (SDPP) kDa. Uncharacterized band(s) may appear in some lysates. |
| Format | Liquid |
| Concentration | Please refer to lot specific datasheet. |
| Size | 100 µg |

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| Buffer | 0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl with 0.05% sodium azide. |
| Preservative | 0.05% Sodium Azide |
| Storage | Stable for 1 year at 2-8°C from date of receipt. |

BACKGROUND

Introduction Dipeptidyl peptidase 4 (EC 3.4.14.5; UniProt P27487; also known as ADABP, ADCP-2, Adenosine deaminase complexing protein 2, DPP IV, T-cell activation antigen CD26, Adenosine deaminase complexing protein 2, Dipeptidyl peptidase 4, Dipeptidylpeptidase IV, TP103) is encoded by the DPP4 (also known as CD26, ADCP2) gene (Gene ID 1803) in human. DPP4 is a homodimeric serine exopeptidase that cleaves x-proline dipeptides from the N-terminus of polypeptides. It is involved in many cellular processes such as activation of cytokines, differentiation, and cell-matrix interactions. Inhibition of DPP4 has been reported to be an effective treatment for type II diabetes. Also, DPP4 acts as a functional receptor for the newly discovered Middle East respiratory syndrome (MERS) coronavirus.

GENE INFORMATION

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| Entrez Gene ID | 1803 |
| UniProt ID | P27487 |