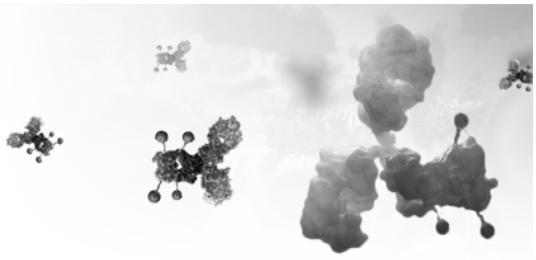

Anti-DPP4 (internal region) polyclonal antibody (DPABH-02444)

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

PRODUCT INFORMATION

Antigen Description	Cell surface glycoprotein receptor involved in the costimulatory signal essential for T-cell receptor (TCR)-mediated T-cell activation. Acts as a positive regulator of T-cell coactivation, by binding at least ADA, CAV1, IGF2R, and PTPRC. Its binding to CAV1 and CARD11 induces T-cell proliferation and NF-kappa-B activation in a T-cell receptor/CD3-dependent manner. Its interaction with ADA also regulates lymphocyte-epithelial cell adhesion. In association with FAP is involved in the pericellular proteolysis of the extracellular matrix (ECM), the migration and invasion of endothelial cells into the ECM. May be involved in the promotion of lymphatic endothelial cells adhesion, migration and tube formation. When overexpressed, enhanced cell proliferation, a process inhibited by GPC3. Acts also as a serine exopeptidase with a dipeptidyl peptidase activity that regulates various physiological processes by cleaving peptides in the circulation, including many chemokines, mitogenic growth factors, neuropeptides and peptide hormones. Removes N-terminal dipeptides sequentially from polypeptides having unsubstituted N-termini provided that the penultimate residue is proline.
Immunogen	Synthetic peptide, corresponding to a 16 residue sequence within the internal sequence amino acids of Human CD26 (NP_001926.2).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	IHC-P
Format	Liquid

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Size	50 µg
Buffer	Constituent: 99% PBS
Preservative	0.1% Sodium Azide
Storage	Store at -70°C for long-term. Store at 4°C for short-term.

GENE INFORMATION

Gene Name	DPP4 dipeptidyl-peptidase 5 [Homo sapiens]
Official Symbol	DPP4
Synonyms	DPP4; dipeptidyl-peptidase 4; CD26; ADABP; ADCP2; DPPIV; TP103; dipeptidyl peptidase 4; ADCP-2; DPP IV; dipeptidylpeptidase 4; dipeptidyl peptidase IV; T-cell activation antigen CD26; adenosine deaminase complexing protein 2; dipeptidylpeptidase IV (CD26, adenosine deaminase complexing protein 2);
Entrez Gene ID	1803
Protein Refseq	NP_001926.2
UniProt ID	P27487
Pathway	Incretin synthesis, secretion, and inactivation; Peptide hormone metabolism; Protein digestion and absorption; Synthesis, secretion, and inactivation of Glucose-dependent Insulinotropic Polypeptide (GIP)
Function	aminopeptidase activity; dipeptidyl-peptidase activity; identical protein binding; protease binding

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