



Anti-DPP4 polyclonal antibody [Biotin] (DPABY-627)

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

PRODUCT INFORMATION

Antigen Description	Dipeptidyl peptidase IV (DPPIV/CD26) is a serine exopeptidase that releases Xaa-Pro dipeptides from the N-terminus of proteins and peptides. It plays an important role in T-cell costimulation, chemokine biology, type II diabetes and tumor biology. There are at least 15 DPPIV-related human genes. Some function as enzymes, including DPP8, DPP9, fibroblast activation protein (FAP), prolyl endopeptidase (PREP), and N-acylaminoacyl-peptide hydrolase (APEH) while others (DPP6/DPPX and DPP10/DPRP3) may have lost their protease properties but acquired novel functions. For example, DPP6 is a critical component of neuronal A-type K ⁺ channels.
Specificity	Detects mouse DPPIV/CD26 in ELISAs and Western blots. In sandwich immunoassays, less than 0.2% cross-reactivity with recombinant human DPPIV/CD26 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse DPPIV/CD26. Ser29-His760 Accession Number P28843
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, Immunohistochemistry, ELISA Detection (Matched Pair)
Format	Liquid
Size	50 µg

Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Dpp4 dipeptidylpeptidase 4 [Mus musculus (house mouse)]
Official Symbol	DPP4
Synonyms	DPP4; dipeptidylpeptidase 4; Cd26; THAM; Dpp-4; dipeptidyl peptidase 4; DPP IV; dipeptidyl peptidase IV; thymocyte-activating molecule; T-cell activation antigen CD26;
Entrez Gene ID	13482
Protein Refseq	NP_001153015
UniProt ID	P28843
Chromosome Location	2 C2-D; 2 35.85 cM
Pathway	Incretin synthesis, secretion, and inactivation; Metabolism of proteins; Peptide hormone metabolism; Protein digestion and absorption; Synthesis, secretion, and inactivation of Glucagon-like Peptide-1 (GLP-1); Synthesis, secretion, and inactivation of Glu
Function	aminopeptidase activity; collagen binding; dipeptidyl-peptidase activity; hydrolase activity; identical protein binding; peptidase activity; peptide binding; protease binding; protein homodimerization activity; receptor binding; serine-type endopeptidase