

Datasheet

Dpp4 monoclonal antibody, clone 5E8

Catalog Number: MAB5649

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native Dpp4.

Clone Name: 5E8

Immunogen: Native purified rat liver membrane extracts Dpp4.

Host: Mouse

Reactivity: Rat

Applications: ELISA, IHC-Fr, IP, WB
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: Dipeptidyl peptidase IV (DPP IV) is widely distributed in a number of mammalian tissues and is suggested to play an important role in various kinds of biological processes. DPP IV (CD26) is a serine-type protease that removes the amino-terminal dipeptide from peptide substrate provided that the penultimate amino acid residue is proline or alanine. DPP IV plays an important role in the reclamation of peptide nitrogen from larger peptides. The monoclonal antibody 5E8 reacts with DPP IV present on the apical surface of epithelial cells in the pancreas, small intestine, colon, and bile duct. Furthermore antibody 5E8 reacts with DPP IV on the laminar portions of the proximal renal tubule cells, and, weakly, on the glomeruli.

Form: Liquid

Isotype: IgG1

Recommend Usage: Recommend dilution at 1:10
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.1% BSA, 0.02% sodium azide)

Storage Instruction: Store at 4°C.

Entrez GeneID: 25253

Gene Symbol: Dpp4

Gene Alias: DPPIV

References:

1. Identification of a target antigen recognized by a mouse monoclonal antibody to the bile canalicular surface of rat hepatocytes with a random phage display library. Ariyoshi M, Mizuno M, Morisue Y, Shimada M, Fujita S, Nasu J, Okada H, Shimomura H, Yamamoto K, Tsuji T. Acta Med Okayama. 2002 Aug;56(4):187-91.
2. Distribution of asialoglycoprotein receptor in human hepatocellular carcinoma. Hyodo I, Mizuno M, Yamada G, Tsuji T. Liver. 1993 Apr;13(2):80-5.
3. Monoclonal antibodies identifying antigens on distinct domains of rat hepatocytes. Mizuno M, Yamada G, Sugiyama T, Vierling JM, Brown WR. Liver. 1987 Oct;7(5):251-9.