

Datasheet for ABIN2192110
anti-DPP4 antibody



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Overview

Quantity:	100 µg
Target:	DPP4
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DPP4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunoprecipitation (IP), Immunoassay (IA)

Product Details

Clone:	5E8
Sterility:	0.2 µm filtered

Target Details

Target:	DPP4
Abstract:	DPP4 Products
Background:	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

Target Details

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.

Pathways: [Peptide Hormone Metabolism, Regulation of Leukocyte Mediated Immunity](#)

Application Details

Application Notes: For immunohistology and Western blotting dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10.

Restrictions: For Research Use only

Handling

Buffer: PBS, containing 0.02 % sodium azide and 0.1 % bovine serum albumin.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Product should be stored at 4 °C. Under recommended storage conditions, product is stable for one year.

Expiry Date: 12 months

Publications

Product cited in: Ariyoshi, Mizuno, Morisue, Shimada, Fujita, Nasu, Okada, Shimomura, Yamamoto, Tsuji: "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." in: **Acta medica Okayama**, Vol. 56, Issue 4, pp. 187-91, (2002) ([PubMed](#)).

Hyodo, Mizuno, Yamada, Tsuji: "Distribution of asialoglycoprotein receptor in human hepatocellular carcinoma." in: **Liver**, Vol. 13, Issue 2, pp. 80-5, (1993) ([PubMed](#)).

Mizuno, Yamada, Sugiyama, Vierling, Brown: "Monoclonal antibodies identifying antigens on distinct domains of rat hepatocytes." in: **Liver**, Vol. 7, Issue 5, pp. 251-9, (1988) ([PubMed](#)).

