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Datasheet for ABIN332833 anti-DPP7 antibody

Overview

Quantity:	100 µg
Target:	DPP7
Reactivity:	Human
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This DPP7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Neutralization (Neut)

Product Details

Immunogen:	NS0-derived recombinant human rhDPPII. Type of Immunogen: Recombinant protein
Isotype:	IgG2a
Specificity:	Recognizes human DPPII. Species sequence homology: chimpanzee 99 % , mouse 81 % , rat 80 % , dog 79 % and chicken 65 %.
Purification:	Protein G purified

Target Details

Target:	DPP7
Alternative Name:	DPP2 / DPP7 (DPP7 Products)
Background:	Name/Gene ID: DPP7

Target Details

Subfamily: Serine S28

Family: Protease

Synonyms: DPP7, Carboxytripeptidase, Dipeptidyl aminopeptidase II, Dipeptidyl peptidase 2, DPPII, Dipeptidyl arylamidase II, Dipeptidyl-peptidase 7, Dipeptidyl-peptidase II, Dipeptidylpeptidase 7, Dipeptidyl peptidase 7, Dipeptidyl peptidase II, DPP II, DPP2, QPP

Gene ID: 29952

UniProt: [Q9UHL4](#)

Application Details

Application Notes: Approved: ELISA, Neut, WB (1 - 2 µg/mL)

Usage: Suitable for use in ELISA, Neutralization and Western blot. Neutralization-preincubated with the enzyme at different molar ratios at room temperature for 30 minutes. The enzyme was then assayed with a fluorogenic peptide substrate. 50 % of the proteolytic activity was inhibited by the antibody at approximately 0.12 µg/mL (IC50) under conditions in which the enzyme was present at 0.1 µg/mL and the substrate concentration was 10uM. Considering the molecular masses of the enzyme (53kD) and the antibody (150kD), IC50 was achieved at approximately 1:2 Molar ratio of the antibody to the enzyme. Western blot: 1-2 µg/mL The detection limit is ~10 ng/lane under non-reducing conditions. Reducing conditions are not recommended. Chemiluminescent detection with WesternGlo Chemiluminescent Detection Substrate will increase sensitivity by 5 to 50 fold.

Comment: Target Species of Antibody: Human

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute, sterile PBS to a concentration of 0.5 mg/mL.

Concentration: Lot specific

Buffer: Lyophilized from PBS, 5 % trehalose. Reconstitute, sterile PBS to a concentration of 0.5 mg/mL.