

Datasheet for ABIN6263491
anti-PPP1R12A antibody (C-Term)

3 Images

1 Publication

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Overview

Quantity:	100 µL
Target:	PPP1R12A
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPP1R12A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	A synthesized peptide derived from human MYPT1, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	MYPT1 Antibody detects endogenous levels of total MYPT1.
Predicted Reactivity:	Zebrafish,Horse,Rabbit,Dog,Chicken,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	PPP1R12A
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Target Details

Alternative Name:	PPP1R12A (PPP1R12A Products)
Background:	Description: Key regulator of protein phosphatase 1C (PPP1C). Mediates binding to myosin. As part of the PPP1C complex, involved in dephosphorylation of PLK1. Capable of inhibiting HIF1AN-dependent suppression of HIF1A activity. Gene: PPP1R12A
Molecular Weight:	115 kDa
Gene ID:	4659
UniProt:	O14974
Pathways:	M Phase

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

Publications

Product cited in:	Yang, Wu, Jia, Zhao, Hou, Liu, Wang, Chen, Yang, Lei, Wang: "The mechanically activated p38/MMP-2 signaling pathway promotes bone marrow mesenchymal stem cell migration in rats." in: Archives of oral biology , Vol. 76, pp. 55-60, (2018) (PubMed).
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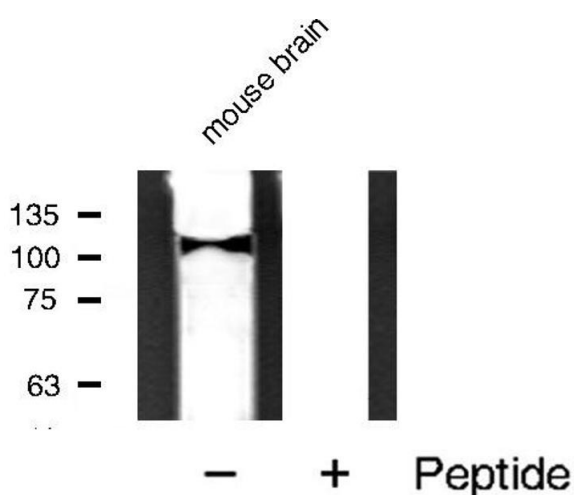
Geng, Yang, Wang, Zhang, Hu, Gu, Li: "Trimethylamine N-oxide promotes atherosclerosis via CD36-dependent MAPK/JNK pathway." in: **Biomedicine & pharmacotherapy**, Vol. 97, pp. 941-947, (2018) ([PubMed](#)).

Ji, Zheng, Liu, Ren, Gao, Zhang, Li: "Resveratrol promotes oxidative stress to drive DLC1 mediated cellular senescence in cancer cells." in: **Experimental cell research**, Vol. 370, Issue 2, pp. 292-302, (2018) ([PubMed](#)).

Zou, Xiang, Wang, Peng, Wei: "Oregano Essential Oil Improves Intestinal Morphology and Expression of Tight Junction Proteins Associated with Modulation of Selected Intestinal Bacteria and Immune Status in a Pig Model." in: **BioMed research international**, Vol. 2016, pp. 5436738, (2017) ([PubMed](#)).

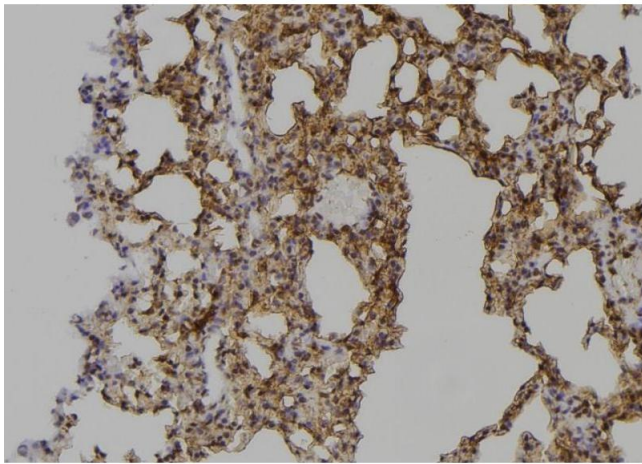
Liu, Zheng, Zhang, Wang, Yang, Bai, Dai: "Fucoxanthin Activates Apoptosis via Inhibition of PI3K/Akt/mTOR Pathway and Suppresses Invasion and Migration by Restriction of p38-MMP-2/9 Pathway in Human Glioblastoma Cells." in: **Neurochemical research**, Vol. 41, Issue 10, pp. 2728-2751, (2017) ([PubMed](#)).

Images



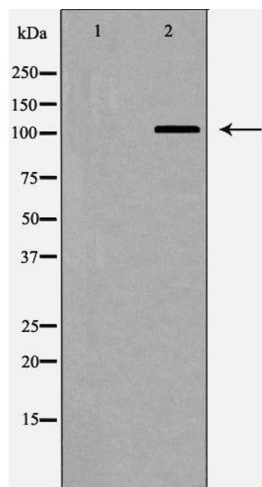
Western Blotting

Image 1. Western blot analysis of MYPT1 expression in mouse brain tissue extract.



Immunohistochemistry

Image 2. ABIN6268990 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Western Blotting

Image 3. Western blot analysis of MYPT1 expression in NIH/3T3 cell extract. The lane on the left is treated with the antigen-specific peptide.