

Datasheet for ABIN6146067
anti-DARPP32 antibody (AA 1-168)



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2 Images

Overview

Quantity:	100 µL
Target:	DARPP32 (PPP1R1B)
Binding Specificity:	AA 1-168
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DARPP32 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-168 of human DARPP32 (NP_001229393.1).
Sequence:	MLFRLSEHSS PEEEASPHQR ASGEGHHLKS KRPNPCAYTP PSLKAVQRIA ESHLQISINL NENQASEEED ELGELRELGY PREEDEEEEE DDEEEEEEEED SQAELVKVIR QSAGQKTTTCG QGLEGPWERP PPLDESERDG GSEDQVEDPA LSEPGEEPQR PSPSEPGT
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	DARPP32 (PPP1R1B)
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Target Details

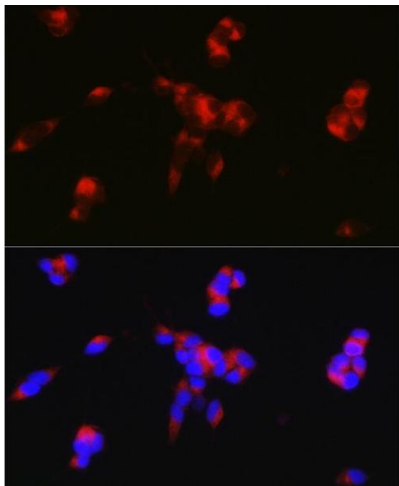
Alternative Name:	PPP1R1B (PPP1R1B Products)
Background:	This gene encodes a bifunctional signal transduction molecule. Dopaminergic and glutamatergic receptor stimulation regulates its phosphorylation and function as a kinase or phosphatase inhibitor. As a target for dopamine, this gene may serve as a therapeutic target for neurologic and psychiatric disorders. Multiple transcript variants encoding different isoforms have been found for this gene.,PPP1R1B,DARPP-32,DARPP32,Signal Transduction,G protein signaling,G-Protein-Coupled Receptors(GPCR),Kinase,Serine/threonine kinases,Endocrine & Metabolism,Endocrine and metabolic diseases,Obesity,Neuroscience,Neurodegenerative Diseases,Dopamine Signaling in Parkinson's Disease,Neurodegenerative Diseases Markers,PPP1R1B
Molecular Weight:	18 kDa/22 kDa
Gene ID:	84152
UniProt:	Q9UD71

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

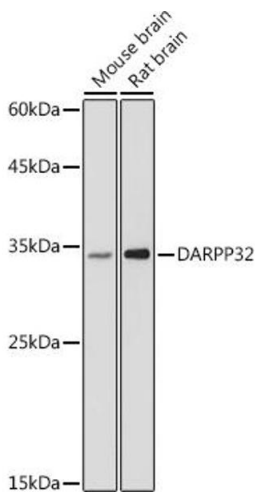
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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. Avoid freeze / thaw cycles.



Immunofluorescence

Image 1. Immunofluorescence analysis of SH-SY5Y cells using D Rabbit pAb (ABIN6130242, ABIN6146067, ABIN6146068 and ABIN6219688) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using D antibody (ABIN6130242, ABIN6146067, ABIN6146068 and ABIN6219688) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.