



DARPP-32 Rabbit mAb

Catalog No	YP-rAb-17516
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	PPP1R1B
Protein Name	Protein phosphatase 1 regulatory subunit 1B
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	DARPP-32;Protein phosphatase 1 regulatory subunit 1B;PPP1R1B ; DARPP32 ; Protein phosphatase 1 regulatory subunit 1B ; DARPP-32 ; Dopamine- and cAMP-regulated neuronal phosphoprotein;PPP1R1B
Observed Band	32kD
Calculated Molecular Weight	23kD
Cell Pathway	Cytoplasm.
Tissue Specificity	Adipose tissue,Brain,Cerebellum,Colon,Ovary,
Function	Inhibitor of protein-phosphatase 1.,PTM:Dopamine- and cyclic AMP-regulated neuronal phosphoprotein.,PTM:Phosphorylation of Thr-34 is required for activity.,similarity:Belongs to the protein phosphatase inhibitor 1 family.,
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. [provided by RefSeq, Oct 2011],

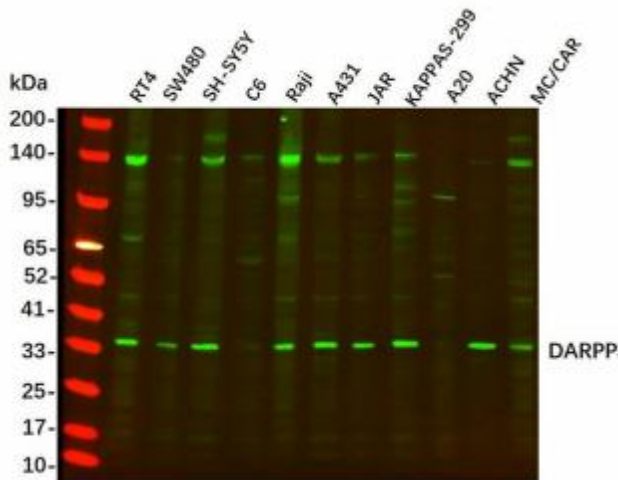


matters needing attention

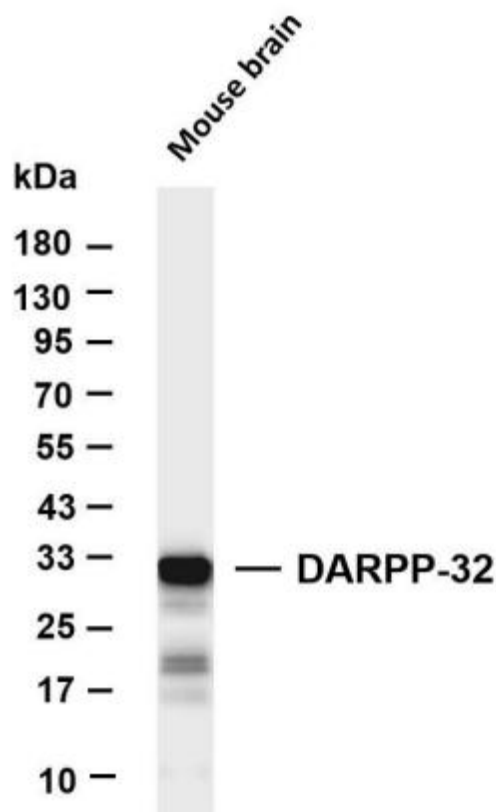
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

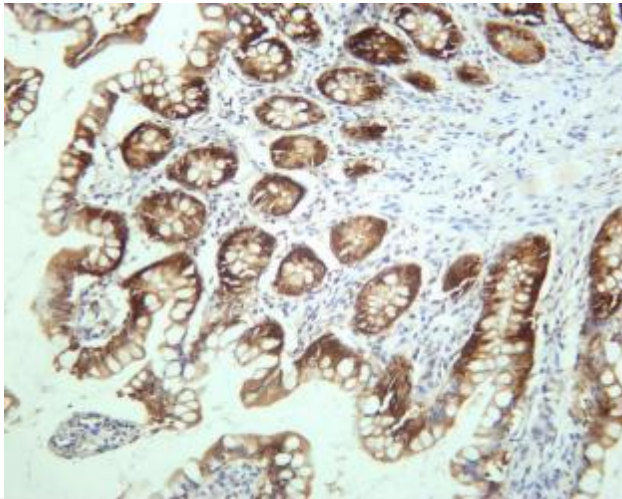


Western Blot analysis using various cell lysate, Proteins were separated by 4-20% SDS-PAGE, and the membrane was blotted with DARPP32 Rabbit mAb diluted at 1:2000. Secondary :Dylight 800, Goat Anti Rabbit IgG

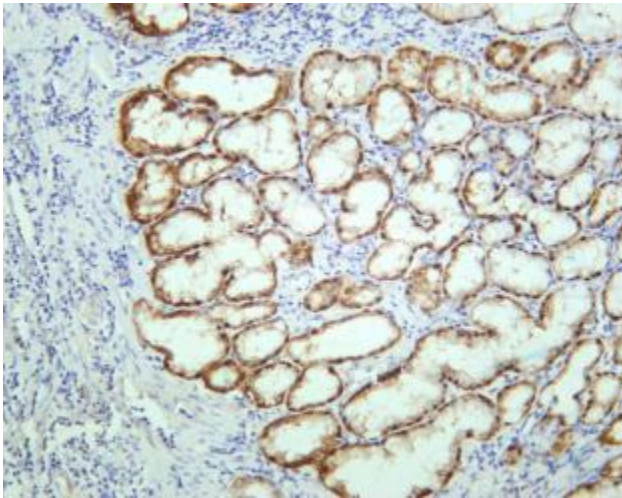


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-DARPP-32 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Mouse brain Predicted band size: 23kDa Observed band size: 32kDa





Human colon was stained with anti-DARPP-32 rabbit antibody



Human gastric adenocarcinoma was stained with anti-DARPP-32 rabbit antibody

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