

# DARPP32 Rabbit mAb

Catalog No.: A23282 **Recombinant**

## Basic Information

### Observed MW

32kDa/36kDa

### Calculated MW

23kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC59935

## 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.

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:5000
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

84152

### Swiss Prot

Q9UD71

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 100-200 of human DARPP32. (NP\_115568.2).

### Synonyms

DARPP32; DARPP-32

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

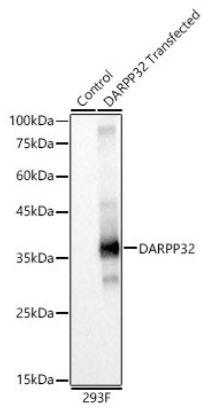
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from wild type (WT) and 293F cells transfected with DARPP32, using DARPP32 Rabbit mAb (A23282) at 1:2000 dilution.

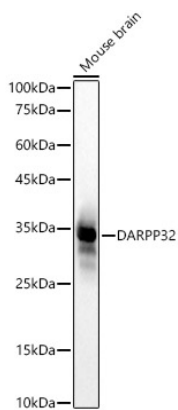
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 0.5s.



Western blot analysis of lysates from Mouse brain, using DARPP32 Rabbit mAb (A23282) at 1:2000 dilution.

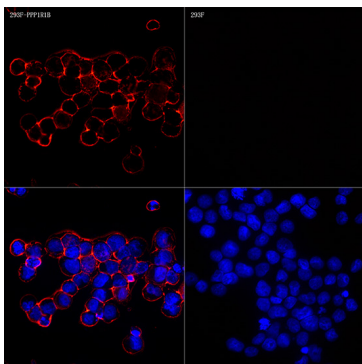
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Immunofluorescence analysis of 293F-PPP1R1B and 293F cells using DARPP32 Rabbit mAb (A23282) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.