



Datasheet for ABIN550150  
**anti-DARPP32 antibody (N-Term)**



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### Overview

Quantity:	100 µL
Target:	DARPP32 (PPP1R1B)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Chicken, Dog, Zebrafish (Danio rerio), Frog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DARPP32 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

### Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of Ppp1r1b.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to N-terminus rat Ppp1r1b.
Cross-Reactivity:	Chicken, Cow, Dog, Frog, Human, Mouse, Rat, Zebrafish (Danio rerio)
Characteristics:	Antibody Reactive Against Synthetic Peptide.

### Target Details

Target:	DARPP32 (PPP1R1B)
Alternative Name:	DARPP32 ( <a href="#">PPP1R1B Products</a> )
Gene ID:	360616

## Application Details

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Application Notes: Western Blot (1:1000)  
The optimal working dilution should be determined by the end user.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: In 10 mM HEPES, 150 mM NaCl, pH 7.5 (50 % glycerol, 10 % BSA)

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Storage: -20 °C

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Storage Comment: Store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

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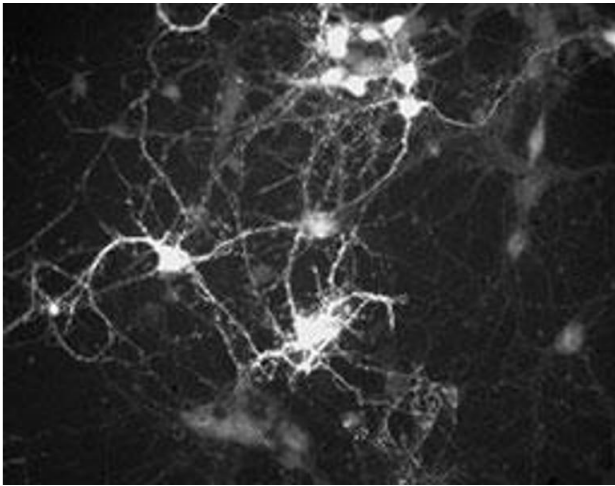
## Publications

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Product cited in: Lindskog, Svenningsson, Pozzi, Kim, Fienberg, Bibb, Fredholm, Nairn, Greengard, Fisone: "Involvement of DARPP-32 phosphorylation in the stimulant action of caffeine." in: **Nature**, Vol. 418, Issue 6899, pp. 774-8, (2002) ([PubMed](#)).

Svenningsson, Tzavara, Witkin, Fienberg, Nomikos, Greengard: "Involvement of striatal and extrastriatal DARPP-32 in biochemical and behavioral effects of fluoxetine (Prozac)." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 99, Issue 5, pp. 3182-7, (2002) ([PubMed](#)).

Maldve, Zhang, Ferrani-Kile, Schreiber, Lippmann, Snyder, Fienberg, Leslie, Gonzales, Morrisett: "DARPP-32 and regulation of the ethanol sensitivity of NMDA receptors in the nucleus accumbens." in: **Nature neuroscience**, Vol. 5, Issue 7, pp. 641-8, (2002) ([PubMed](#)).



### Immunohistochemistry

**Image 1.** Immunochemical staining of cultured mouse caudate neurons with Ppp1r1b polyclonal antibody . Cells and photo courtesy of QBM Cell Science.



### Western Blotting

**Image 2.** Western blot of a rat hippocampal lysate showing specific immunolabeling of the ~32k Ppp1r1b protein. Using Ppp1r1b polyclonal antibody .