

Anti-DARPP-32 (Phospho-Thr34) Polyclonal Antibody



<u>Catalog No.</u>	<u>Size</u>
A100165-01	50 µl
A100165-02	100 µl

Specificity	Anti- DARPP-32 (Phospho-Thr34) (human mouse rat)
Source	Rabbit Polyclonal
Application	WB ELISA IHC IF
Form	Liquid, 1 mg/ml

Product

Swiss-Prot No.: Q9UD71

Other Names: Dopamine- and cAMP-regulated neuronal phosphoprotein; IPPD; Neuronal phosphoprotein DARPP-32; PPP1R1B; PPR1B

Specificity and Sensitivity

DARPP-32 (Phospho-Thr34) antibody detects endogenous levels of DARPP-32 only when phosphorylated at threonine 34.

Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human DARPP-32 around the phosphorylation site of threonine 34 (R-P-T^P-P-A).

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:500~1:3000	IHC: 1:50~1:100
IF: 1:100~1:500	ELISA: 1:10000

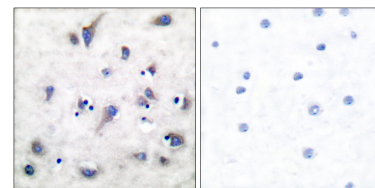
Storage Buffer

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instructions

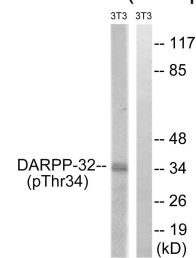
Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



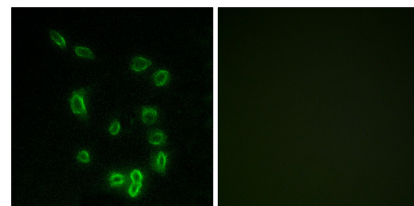
P-peptide - +

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using DARPP-32 (Phospho-Thr34) antibody.



PMA - +
P-peptide - +

Western blot analysis of extracts from 3T3 cells, treated with PMA (125ng/ml, 30mins), using DARPP-32 (Phospho-Thr34) antibody.



P-peptide - +

Immunofluorescence analysis of HepG2 cells, using DARPP-32 (Phospho-Thr34) antibody.