

Product datasheet

Anti-DARPP32 antibody **ab51139**

[2 Images](#)

Overview

Product name	Anti-DARPP32 antibody
Description	Rabbit polyclonal to DARPP32
Host species	Rabbit
Specificity	Detects endogenous levels of total DARPP-32 protein.
Tested applications	Suitable for: WB, IHC-P, ELISA
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat
Immunogen	Synthetic non-phosphopeptide derived from human DARPP-32 around the phosphorylation site of threonine 75 (A-Y-T ^P -P-P)
Positive control	Extracts from 293 cells treated with EGF, human brain tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab51139** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

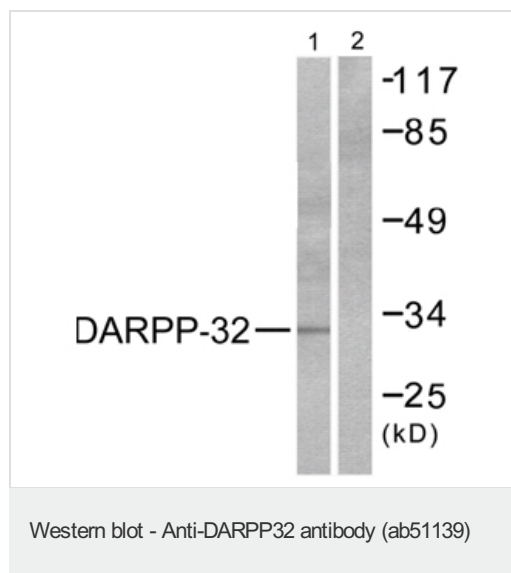
Application	Abreviews	Notes
WB		1/500 - 1/1000. Detects a band of approximately 32 kDa (predicted molecular weight: 32 kDa).

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
ELISA		1/40000.

Target

Function	Inhibitor of protein-phosphatase 1.
Sequence similarities	Belongs to the protein phosphatase inhibitor 1 family.
Post-translational modifications	Dopamine- and cyclic AMP-regulated neuronal phosphoprotein. Phosphorylation of Thr-34 is required for activity.
Cellular localization	Cytoplasm.

Images



All lanes : Anti-DARPP32 antibody (ab51139) at 1/500 dilution

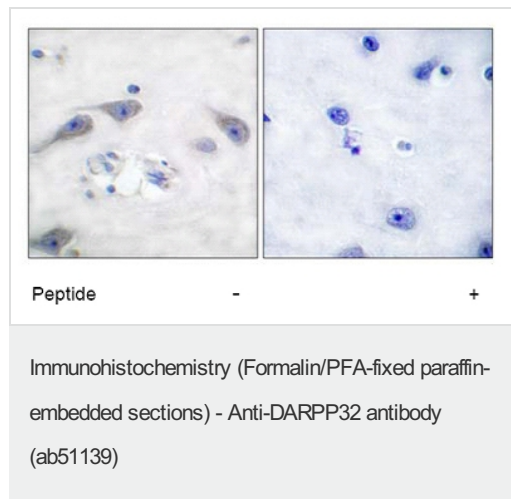
Lane 1 : extracts from 293 cells treated with EGF

Lane 2 : extracts from 293 cells treated with EGF with immunizing peptide

Lysates/proteins at 0.2 µg/ml per lane.

Predicted band size: 32 kDa

Observed band size: 32 kDa



Ab51139 at 1/50 dilution staining human brain tissue, with and without blocking peptide; paraffin embedded.

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