

Datasheet for ABIN3042861
anti-PFN2 antibody (C-Term)

3 Images

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Overview

Quantity:	100 µg
Target:	PFN2
Binding Specificity:	AA 125-140, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PFN2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Profilin-2(PFN2) detection. Tested with WB, IHC-P in Human, Mouse, Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Profilin 2(125-140aa NKKAYSMAYLRDSGF), identical to the related mouse and rat sequences.
Sequence:	NKKAYSMAY LRDSGF
Isotype:	IgG
Cross-Reactivity (Details):	<p>Predicted Cross Reactivity: mouse</p> <p>No cross reactivity with other proteins.</p> <p>Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.</p>
Characteristics:	Rabbit IgG polyclonal antibody for Profilin-2(PFN2) detection. Tested with WB, IHC-P in

Product Details

Human,Mouse,Rat.

Gene Name: profilin 2

Protein Name: Profilin-2

Purification: Immunogen affinity purified.

Target Details

Target: PFN2

Alternative Name: PFN2 ([PFN2 Products](#))

Background: Profilin-2, also called PFN2, is a protein that in humans is encoded by the PFN2 gene. The protein encoded by this gene is a ubiquitous actin monomer-binding protein belonging to the profilin family. This gene is mapped to 3q25.1. It is thought to regulate actin polymerization in response to extracellular signals. There are two alternatively spliced transcript variants encoding different isoforms described for this gene. It binds to actin and affects the structure of the cytoskeleton. At high concentrations, profilin prevents the polymerization of actin, whereas it enhances it at low concentrations. By binding to PIP2, it inhibits the formation of IP3 and DG.

Synonyms: D3S1319E antibody|PFL antibody|PFN 2 antibody|PFN2 antibody|PROF2_HUMAN antibody|Profilin II antibody|Profilin-2 antibody|Profilin2 antibody|ProfilinII antibody

UniProt: [P35080](#)

Pathways: [Regulation of Actin Filament Polymerization](#), [Synaptic Vesicle Exocytosis](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Rat, Predicted Species: Human, Mouse
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse,
Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

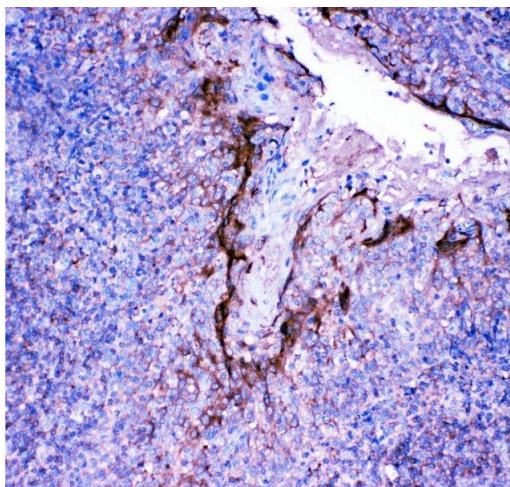
Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Images



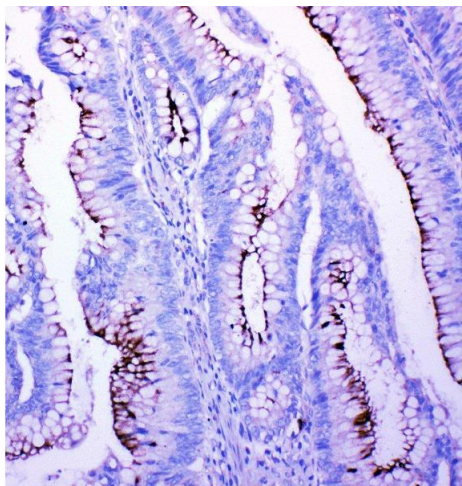
Immunohistochemistry (Paraffin-embedded Sections)

Image 1.



Western Blotting

Image 2. Anti- Profilin2 antibody, Western blotting All lanes:
Anti Profilin2 at 0.5ug/ml WB: Rat Brain Tissue Lysate at
50ug Predicted bind size: 15KD Observed bind size: 15KD



Immunohistochemistry (Paraffin-embedded Sections)

Image 3.