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Datasheet for ABIN3032305  
**anti-PFN2 antibody (C-Term)**

5 Images

Overview

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

Product Details

Immunogen:	An amino acid sequence from the C-terminus of human PFN2 (NKKAYSMAYLRDSGF) was used as the immunogen for this Profilin 2 antibody (100% homologous in human, mouse and rat).
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	PFN2
Alternative Name:	Profilin 2 ( <a href="#">PFN2 Products</a> )
Background:	Profilin-2 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

## Target Details

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. Profilin-2 binds to actin and affects the structure of the cytoskeleton. At high concentrations, it prevents the polymerization of actin, whereas it enhances it at low concentrations. By binding to PIP2, it inhibits the formation of IP3 and DG.

UniProt: [P35080](#)

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

## Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the Profilin 2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL

Restrictions: For Research Use only

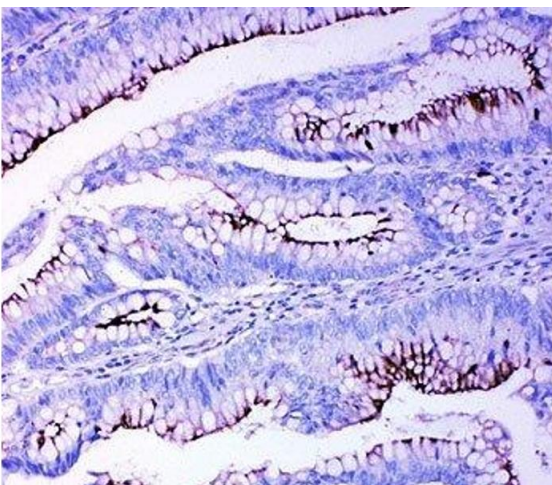
## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

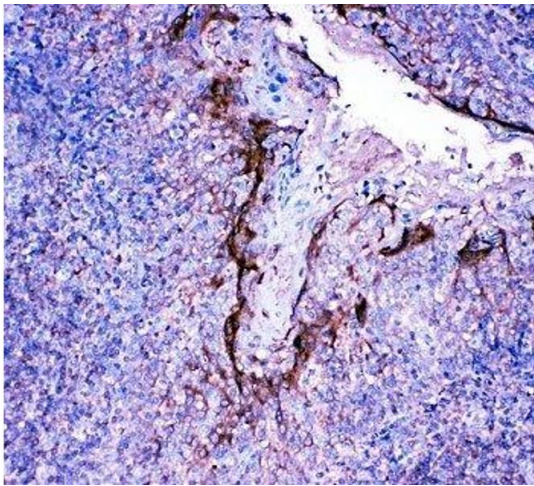
Storage Comment: After reconstitution, the Profilin 2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## Images



### Immunohistochemistry

**Image 1.** IHC-P: Profilin 2 antibody testing of human intestinal cancer tissue



### Immunohistochemistry

**Image 2.** IHC-P: Profilin 2 antibody testing of human tonsil tissue



### Western Blotting

**Image 3.** Western blot testing of Profilin 2 antibody and rat brain lysate. Expected/observed size ~15KD

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3032305.