

Datasheet for ABIN2775571  
**anti-Pannexin 2 antibody (N-Term)**

3 Images

5 Publications

[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	Pannexin 2 (PANX2)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Zebrafish (Danio rerio), Horse, Cow, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Pannexin 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PANX2
Sequence:	GTVLVPILLV TLVFTKNFAE EPIYCYTPHN FTRDQALYAR GYCWTELRDA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against PANX2. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

## Target Details

Target:	Pannexin 2 (PANX2)
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## Target Details

Alternative Name:	PANX2 ( <a href="#">PANX2 Products</a> )
Background:	<p>PANX2 belongs to the innexin family. Innexin family members are the structural components of gap junctions. This protein and pannexin 1 are abundantly expressed in central nerve system (CNS) and are coexpressed in various neuronal populations. Studies in <i>Xenopus</i> oocytes suggest that this protein alone and in combination with pannexin 1 may form cell type-specific gap junctions with distinct properties. The protein encoded by this gene belongs to the innexin family. Innexin family members are the structural components of gap junctions. This protein and pannexin 1 are abundantly expressed in central nerve system (CNS) and are coexpressed in various neuronal populations. Studies in <i>Xenopus</i> oocytes suggest that this protein alone and in combination with pannexin 1 may form cell type-specific gap junctions with distinct properties.</p> <p>Alias Symbols: hPANX2, PX2</p> <p>Protein Size: 633</p>
Molecular Weight:	70 kDa
Gene ID:	56666
NCBI Accession:	<a href="#">NM_052839</a> , <a href="#">NP_443071</a>
UniProt:	<a href="#">Q96RD6</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 633 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

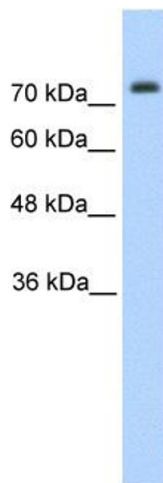
## Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

Product cited in:	Lazrek, Goffard, Schanen, Karquel, Bocket, Lion, Devaux, Hedouin, Gosset, Hober: "Detection of hepatitis C virus antibodies and RNA among medicolegal autopsy cases in Northern France." in: <b>Diagnostic microbiology and infectious disease</b> , Vol. 55, Issue 1, pp. 55-8, (2006) ( <a href="#">PubMed</a> ).
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## Images



### Western Blotting

**Image 1.** WB Suggested Anti-PANX2 Antibody Titration:  
1.25ug/ml Positive Control: HepG2 cell lysate



### Anti-PANX2 Western Blot & Peptide Block Validation

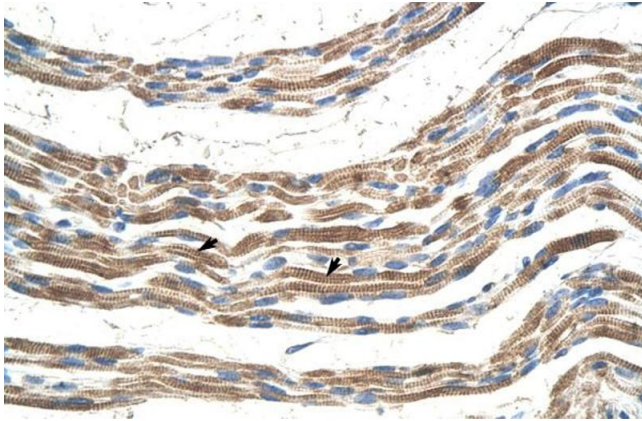
Lot Number: QC12112  
Lysate: HepG2 Cell

Lane A: Primary Antibody  
Lane B: Primary Antibody + Blocking Peptide

Primary Antibody Concentration: 2.5µg/ml  
Peptide Concentration: 2.0µg/ml  
Lysate Quantity: 25µg/lane  
Gel Concentration: 12%

### Western Blotting

**Image 2.** Host: Rabbit Target Name: PANX2 Sample Type: HepG2  
Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide  
Primary Antibody Concentration: 2.5ug/mL  
Peptide Concentration: 2.0ug/mL Lysate Quantity: 25ug/lane  
Gel Concentration: 12%



### Immunohistochemistry

**Image 3.** Human Muscle