Datasheet for ABIN635152

anti-PANX1 antibody (Middle Region)

2 Images

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Overview

Quantity:	100 µL
Target:	PANX1
Binding Specificity:	Middle Region
Reactivity:	Mammalian
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PANX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Pannexin 1 antibody was raised using the middle region of PANX1 corresponding to a region with amino acids LGYYFSLSSLSDEFVCSIKSGILRNDSTVPDQFQCKLIAVGIFQLLSVIN
Specificity:	Pannexin 1 antibody was raised against the middle region of PANX1
Cross-Reactivity:	Human
Purification:	Affinity purified

Target Details

Target:	PANX1
Alternative Name:	Pannexin 1 (PANX1 Products)
Background:	PANX1 belongs to the innexin family. Innexin family members are the structural components of

Target Details

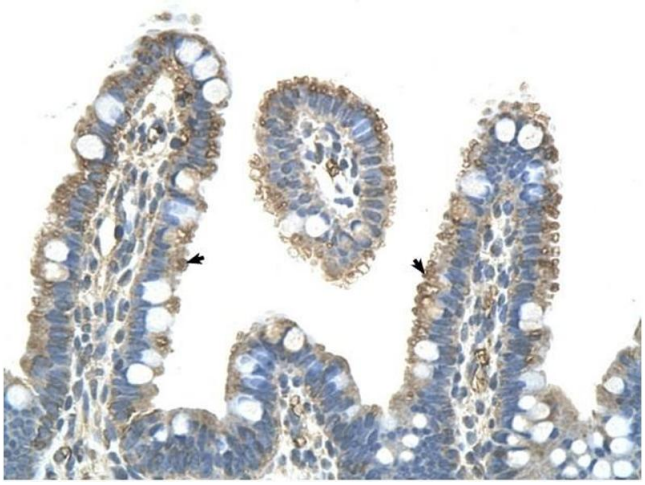
	gap junctions. This protein and pannexin 2 are abundantly expressed in central nerve system (CNS) and are coexpressed in various neuronal populations. Studies in Xenopus oocytes suggest that this protein alone and in combination with pannexin 2 may form cell type-specific gap junctions with distinct properties.
Molecular Weight:	47 kDa (MW of target protein)

Application Details

Application Notes:	WB: 1 µg/mL, IHC: 4-8 µg/mL Optimal conditions should be determined by the investigator.
Comment:	Pannexin 1 Blocking Peptide, catalog no. 33R-5005, is also available for use as a blocking control in assays to test for specificity of this Pannexin 1 antibody
Restrictions:	For Research Use only

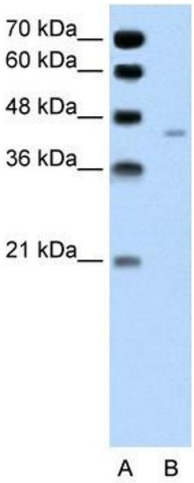
Handling

Format:	Lyophilized
Reconstitution:	Lyophilized powder. Add distilled water for a 1 mg/mL concentration of PANX1 antibody in PBS
Concentration:	Lot specific
Buffer:	PBS
Handling Advice:	Avoid repeated freeze/thaw cycles. Dilute only prior to immediate use.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Immunohistochemistry

Image 1. Pannexin 1 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Epithelial cells of intestinal villus (arrows) in Human Intestine. Magnification is at 400X



Western Blotting

Image 2. Pannexin 1 antibody used at 1 ug/ml to detect target protein.