

Datasheet for ABIN351016  
**anti-TPCN2 antibody (Cytoplasmic Domain)**[Go to Product page](#)**1** Publication

## Overview

Quantity:	500 µg
Target:	TPCN2
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TPCN2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	A synthetic peptide from a cytoplasmic domain of mouse TPC2 (Two pore calcium channel protein 2) conjugated to an immunogenic carrier protein was used as the antigen.
Isotype:	IgG
Specificity:	Specific for TPC2.

## Target Details

Target:	TPCN2
Alternative Name:	TPC2 ( <a href="#">TPCN2 Products</a> )
Background:	<p>Function: May function as one of the major voltage-gated Ca<sup>2+</sup> channel (VDCC) across the plasma membrane.</p> <p>Subcellular location: Membrane, Multi-pass membrane protein. Also known as: Two pore</p>

## Target Details

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calcium channel protein 2, Voltage-dependent calcium channel protein TPC2, TPCN2.

## Application Details

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Application Notes: A concentration of 10-50 µg/ml is recommended.  
The optimal concentration should be determined by the end user. Not tested in other applications.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Reconstitute in 100 µL of sterile water. Centrifuge to remove any insoluble material.

Handling Advice: Avoid freeze and thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.

Expiry Date: 12 months

## Publications

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Product cited in: Chaney, Mukherjee, Giddabasappa, Rueda, Hamilton, Johnson, Fox: "Increased proliferation of late-born retinal progenitor cells by gestational lead exposure delays rod and bipolar cell differentiation." in: **Molecular vision**, Vol. 22, pp. 1468-1489, (2018) ([PubMed](#)).