

Product datasheet

Anti-ITPR3 antibody ab55983

Overview

Product name	Anti-ITPR3 antibody
Description	Rabbit polyclonal to ITPR3
Host species	Rabbit
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Recombinant fragment Predicted to work with: Mouse, Rat, Human
Immunogen	Synthetic peptide (Human) corresponding to a C terminal sequence.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.01% Sodium Azide Constituents: 50% Glycerol, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab55983** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 304 kDa. This antibody has been tested in Western blot against the recombinant peptide used as an immunogen. We have no data on detection of endogenous protein.
ELISA		Use at an assay dependent dilution.

Target

Function	Receptor for inositol 1,4,5-trisphosphate, a second messenger that mediates the release of intracellular calcium.
Tissue specificity	Expressed in intestinal crypt and villus epithelial cells.
Sequence similarities	Belongs to the InsP3 receptor family. Contains 5 MIR domains.
Domain	The receptor contains a calcium channel in its C-terminal extremity. Its large N-terminal cytoplasmic region has the ligand-binding site in the N-terminus and modulatory sites in the middle portion immediately upstream of the channel region.
Post-translational modifications	Phosphorylated on tyrosine residues. Phosphorylated by AKT1 on serine and/or threonine residues.
Cellular localization	Endoplasmic reticulum membrane.

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