

## Product datasheet

# Anti-ITPR3 antibody ab55983

### Overview

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

### Properties

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

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<b>Function</b>	Receptor for inositol 1,4,5-trisphosphate, a second messenger that mediates the release of intracellular calcium.
<b>Tissue specificity</b>	Expressed in intestinal crypt and villus epithelial cells.
<b>Sequence similarities</b>	Belongs to the InsP3 receptor family. Contains 5 MIR domains.
<b>Domain</b>	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.
<b>Post-translational modifications</b>	Phosphorylated on tyrosine residues. Phosphorylated by AKT1 on serine and/or threonine residues.
<b>Cellular localization</b>	Endoplasmic reticulum membrane.

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