


Product datasheet

Anti-STIM2 antibody - N-terminal ab219646

1 Image

Overview

<b>Product name</b>	Anti-STIM2 antibody - N-terminal
<b>Description</b>	Sheep polyclonal to STIM2 - N-terminal
<b>Host species</b>	Sheep
<b>Specificity</b>	BLAST analysis suggests cross-reactivity with mouse based on 100% sequence homology.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Synthetic peptide corresponding to Human STIM2 (N terminal). Database link: <a href="#">Q9P246</a>
<b>Positive control</b>	Human kidney tissue.
<b>General notes</b>	Centrifuge product before removing cap. Only dilute immediately prior to use.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20 Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride, 30% Glycerol
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab219646** in the following tested applications.

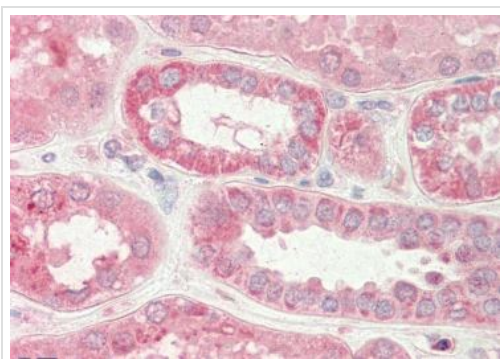
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 µg/ml.

## Target

<b>Function</b>	Functions as a highly sensitive Ca(2+) sensor in the endoplasmic reticulum which activates both store-operated and store-independent Ca(2+)-influx. Regulates basal cytosolic and endoplasmic reticulum Ca(2+) concentrations. Upon mild variations of the endoplasmic reticulum Ca(2+) concentration, translocates from the endoplasmic reticulum to the plasma membrane where it probably activates the Ca(2+) release-activated Ca(2+) (CRAC) channels ORAI1, ORAI2 and ORAI3. May inhibit STIM1-mediated Ca(2+) influx.
<b>Tissue specificity</b>	Expressed in all tissues and tumor cell lines examined.
<b>Sequence similarities</b>	Contains 1 EF-hand domain. Contains 1 SAM (sterile alpha motif) domain.
<b>Post-translational modifications</b>	Glycosylated. Phosphorylated predominantly on Ser residues.
<b>Cellular localization</b>	Endoplasmic reticulum membrane. Dynamically translocates from a uniform endoplasmic reticulum distribution to punctual endoplasmic reticulum-plasma membrane junctions in response to decrease in endoplasmic reticulum Ca(2+) concentration.

## Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human kidney tissue labeling STIM2 with ab219646 at 5 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STIM2 antibody - N-terminal (ab219646)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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