



Datasheet for ABIN7146306
anti-ORAI1 antibody (AA 1-87)



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2 Images

Overview

Quantity:	100 µg
Target:	ORAI1
Binding Specificity:	AA 1-87
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ORAI1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Calcium release-activated calcium channel protein 1 protein (1-87AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	ORAI1
Alternative Name:	ORAI1 (ORAI1 Products)
Background:	Background: Ca(2+) release-activated Ca(2+) (CRAC) channel subunit which mediates Ca(2+) influx following depletion of intracellular Ca(2+) stores and channel activation by the Ca(2+)

Target Details

sensor, STIM1 (PubMed:16582901, PubMed:16645049, PubMed:16733527, PubMed:16766533, PubMed:16807233, PubMed:19249086, PubMed:23307288, PubMed:24351972, PubMed:24591628). CRAC channels are the main pathway for Ca(2+) influx in T-cells and promote the immune response to pathogens by activating the transcription factor NFAT (PubMed:16582901).

Aliases: Calcium release activated calcium channel protein 1 antibody, Calcium release activated calcium modulator 1 antibody, Calcium release-activated calcium channel protein 1 antibody, CRACM 1 antibody, CRACM1 antibody, CRCM1 antibody, CRCM1_HUMAN antibody, FLJ14466 antibody, Orai 1 antibody, ORAI calcium release activated calcium modulator 1 antibody, orai1 antibody, ORAT1 antibody, Protein orai 1 antibody, Protein orai-1 antibody, TMEM 142A antibody, TMEM142A antibody, Transmembrane protein 142A antibody

UniProt: [Q96D31](#)

Pathways: [TCR Signaling](#), [BCR Signaling](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

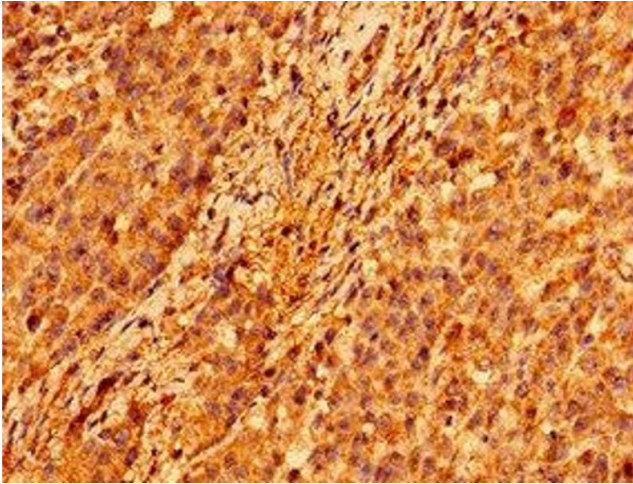
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

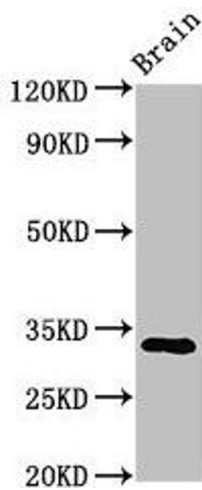
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7146306 at dilution of 1:100



Western Blotting

Image 2. Western Blot Positive WB detected in: Mouse brain tissue All lanes: ORAI1 antibody at 3.2 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 33, 26 kDa Observed band size: 33 kDa