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Datasheet for ABIN2775722 anti-NCS1 antibody (N-Term)

2 Images

1 Publication



Overview

Quantity:	100 µL
Target:	NCS1
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Zebrafish (Danio rerio), Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NCS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human FREQ
Sequence:	MGKSNSKLKP EVVEELTRKT YFTEKEVQQW YKGFIKDCPS GQLDAAGFQK
Predicted Reactivity:	Cow: 100%, Human: 100%, Mouse: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against FREQ. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified
Target Details	
Target:	NCS1

Alternative Name:	FREQ (NCS1 Products)	

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Target Details

Background:	FREQ is a member of the neuronal calcium sensor gene family, which encode calcium-binding
	proteins expressed predominantly in neurons. The protein encoded by this gene regulates G
	protein-coupled receptor phosphorylation in a calcium-dependent manner and can substitute
	for calmodulin. This protein is thought to be associated with secretory granules and may be
	involved in the regulation of neurosecretion.
	Alias Symbols: FLUP, FREQ
	Protein Interaction Partner: NBL1, DTX2, NAF1, KIF21A, KDM3B, SRP68, SNRPB, UBC, ELAVL1,
	PI4KB, KCND2, IL1RAPL1, DRD5, DRD3, DRD2, ADRBK1,
	Protein Size: 190
Molecular Weight:	22 kDa
Gene ID:	23413
NCBI Accession:	NM_014286, NP_055101
UniProt:	P62166

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 190 AA
Restrictions:	For Research Use only

Handling

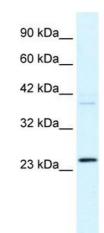
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

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Publications

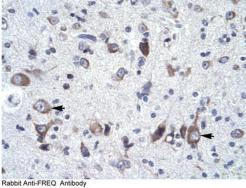
Product cited in:Sakamaki, Ishii, Sakata, Takemoto, Takagi, Takeuchi, Morishita, Takahashi, Nozawa, Shinoda,
Chiba, Sugimoto, Saito, Tamate, Satou, Jung, Matsuoka, Koyamada, Sawasaki, Nagai, Ueno: "
Dysregulation of a potassium channel, THIK-1, targeted by caspase-8 accelerates cell
shrinkage." in: Biochimica et biophysica acta, Vol. 1863, Issue 11, pp. 2766-2783, (2016) (
PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-FREQ Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate



Immunohistochemistry

Image 2. Human Brain

Rabbit Anti-FREQ Antibody Catalog Number: ARP34315 Lot Number: QC3908 Parafin Embeded Tissue: Human Brain Cells with Positive label: Neural cells (Indicated with Arrows) Antibody Concentration: 4.0-8.0 µg/ml Magnification: 400X

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