

Datasheet for ABIN2775968
anti-NCS1 antibody (Middle Region)[2 Images](#)[1 Publication](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	NCS1
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Zebrafish (Danio rerio), Cow, Dog, Guinea Pig, Horse, Saccharomyces cerevisiae
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 middle region of human FREQ
Sequence:	EEENTPEKRV DRIFAMMDKN ADGKLTQEF QEGSKADPSI VQALSLYDGL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rat: 100%, Yeast: 77%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against FREQ. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	NCS1
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Target Details

Alternative Name:	FREQ (NCS1 Products)
Background:	<p>This gene 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</p> <p>Alias Symbols: DKFZp761L1223, FLUP, NCS-1, NCS1, FREQ</p> <p>Protein Interaction Partner: NBL1, DTX2, NAF1, KIF21A, KDM3B, SRP68, SNRPB, UBC, ELAVL1, PI4KB, KCND2, IL1RAPL1, DRD5, DRD3, DRD2, ADRBK1,</p> <p>Protein Size: 190</p>
Molecular Weight:	22 kDa
Gene ID:	23413
NCBI Accession:	NM_014286 , NP_055101
UniProt:	P62166

Application Details

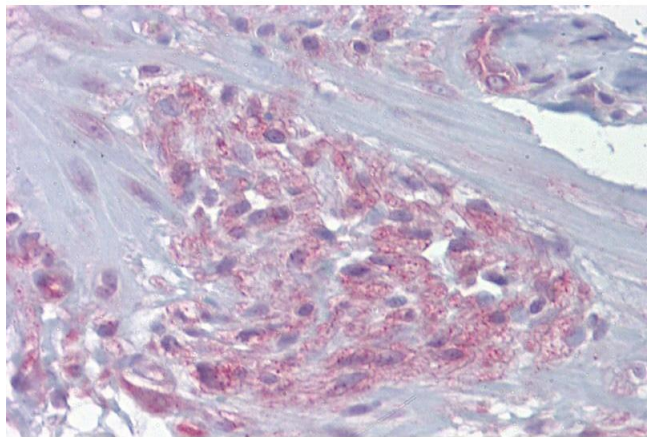
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 190 AA
Restrictions:	For Research Use only

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 aliquots to prevent freeze-thaw cycles.

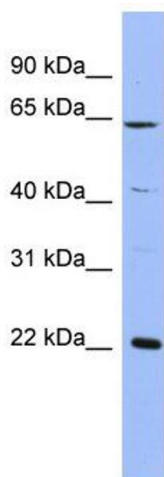
Product cited in: Braun, Sponder, Pieper, Aschenbach, Deiner: "GABA selectively increases mucin-1 expression in isolated pig jejunum." in: **Genes & nutrition**, Vol. 10, Issue 6, pp. 47, (2015) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Immunohistochemistry with Small intestine, myetneric plexus tissue at an antibody concentration of 5-10µg/ml using anti-FREQ antibody (ARP34711_P050)



Western Blotting

Image 2. WB Suggested Anti-FREQ Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Thymus