Datasheet for ABIN2789523

anti-Neural Wiskott-Aldrich syndrome protein (WASL) (Middle Region) antibody

3 Images

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Overview

Quantity:	100 µL
Target:	Neural Wiskott-Aldrich syndrome protein (WASL)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Horse, Pig, Rabbit, Cow, Dog
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Sequence:	ISHTKEKKKG KAKKKRLTKA DIGTPSNFQH IGHVGWDPNT GFDLNNLDPE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against WASL. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Neural Wiskott-Aldrich syndrome protein (WASL)
Alternative Name:	WASL (WASL Products)
Background:	The Wiskott-Aldrich syndrome (WAS) family of proteins share similar domain structure, and are involved in transduction of signals from receptors on the cell surface to the actin cytoskeleton. The presence of a number of different motifs suggests that they are regulated by a number of

Target Details

	different stimuli, and interact with multiple proteins. Recent studies have demonstrated that these proteins, directly or indirectly, associate with the small GTPase, Cdc42, known to regulate formation of actin filaments, and the cytoskeletal organizing complex, Arp2/3. The WASL gene product is a homolog of WAS protein, however, unlike the latter, it is ubiquitously expressed and shows highest expression in neural tissues. It has been shown to bind Cdc42 directly, and induce formation of long actin microspikes. Alias Symbols: DKFZp779G0847, MGC48327, N-WASP, NWASP Protein Interaction Partner: RHOJ, ARPC3, RNF8, NCK2, WIPF1, SDCBP, PTK6, GRB2, IQGAP1, WWOX, SNX9, APBB1, PRPF40A, FNBP1L, FNBP1, TRIP10, PSTPIP1, ACTG1, SORBS3, ACTR2, ACTR3, LCK, CDC42, RPL7AP66, ZNF395, BAIAP2, ARPC1B, FCHSD2, IPO5, HP, HSP90AB1, HSP90AA1, SRC, WASF2, APP, WIPF2, Protein Size: 505
Molecular Weight:	56 kDa
Gene ID:	8976
NCBI Accession:	NM_003941, NP_003932
UniProt:	O00401

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 505 AA
Restrictions:	For Research Use only

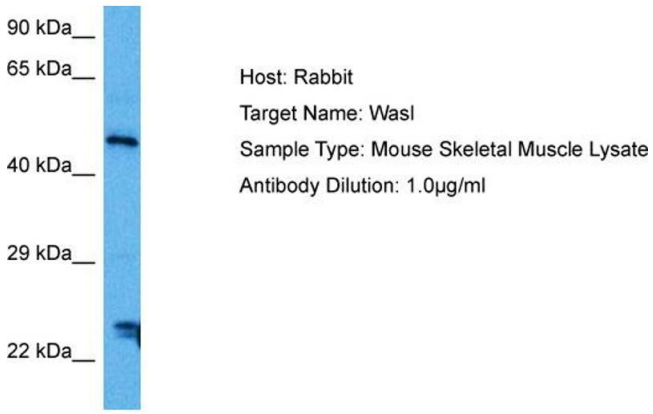
Handling

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.

Handling

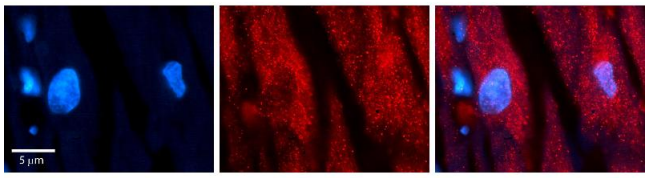
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



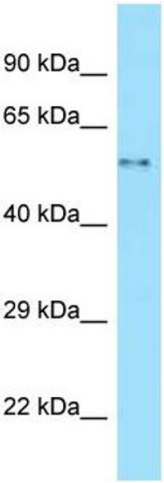
Western Blotting

Image 1. Host: Mouse Target Name: WASL Sample Tissue: Mouse Skeletal Muscle Antibody Dilution: 1ug/ml



Immunohistochemistry

Image 2. Rabbit Anti-WASL Antibody Catalog Number: ARP63498_P050 Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Cytoplasmic Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec



Western Blotting

Image 3. WB Suggested Anti-WASL Antibody Titration: 1.0 ug/ml Positive Control: Fetal Lung