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Datasheet for ABIN6142903 anti-KLC1 antibody (AA 261-560)

2 Images



Overview

Quantity:	100 µL
Target:	KLC1
Binding Specificity:	AA 261-560
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KLC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 261-560 of human Kinesin light chain 1 (Kinesin light chain 1 (KLC1)) (NP_005543.2).
Sequence:	LALVYRDQNK YKDAANLLND ALAIREKTLG KDHPAVAATL NNLAVLYGKR GKYKEAEPLC KRALEIREKV LGKDHPDVAK QLNNLALLCQ NQGKYEEVEY YYQRALEIYQ TKLGPDDPNV AKTKNNLASC YLKQGKFKQA ETLYKEILTR AHEREFGSVD DENKPIWMHA EEREECKGKQ
	KDGTSFGEYG GWYKACKVDS PTVTTTLKNL GALYRRQGKF EAAETLEEAA MRSRKQGLDN VHKQRVAEVL NDPENMEKRR SRESLNVDVV KYESGPDGGE EVSMSVEWNG MRKMKLGLVN
Isotype:	
Isotype: Cross-Reactivity:	VHKQRVAEVL NDPENMEKRR SRESLNVDVV KYESGPDGGE EVSMSVEWNG MRKMKLGLVN

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Target Details	
Target:	KLC1
Alternative Name:	KLC1 (KLC1 Products)
Background:	Conventional kinesin is a tetrameric molecule composed of two heavy chains and two light chains, and transports various cargos along microtubules toward their plus ends. The heavy chains provide the motor activity, while the light chains bind to various cargos. This gene encodes a member of the kinesin light chain family. It associates with kinesin heavy chain through an N-terminal domain, and six tetratricopeptide repeat (TPR) motifs are thought to be involved in binding of cargos such as vesicles, mitochondria, and the Golgi complex. Thus, kinesin light chains function as adapter molecules and not motors per se. Although previously named 'kinesin 2', this gene is not a member of the kinesin-2 / kinesin heavy chain subfamily of kinesin motor proteins. Extensive alternative splicing produces isoforms with different C-termini that are proposed to bind to different cargos, however, the full-length nature and/or biological validity of most of these variants have not been determined.,KLC1,KLC,KNS2,KNS2A,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Motor
Molecular Weight:	Proteins,Neuroscience,Cell Type Marker,Neuron marker,Axon marker,KLC1 62-72 kDa
Gene ID:	3831
UniProt:	Q07866

Pathways: Ribonucleoprotein Complex Subunit Organization

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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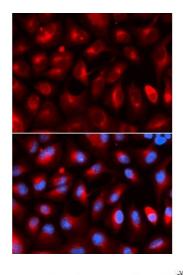
Handling

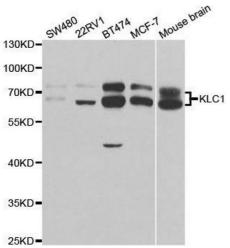
Storage:	-20 °C

Storage Comment:

Store at -20°C. Avoid freeze / thaw cycles.

Images





Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cells using KLC1 antibody.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using KLC1 antibody.

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