Product Datasheet

KLC1 Antibody

Catalog No: #32903

Package Size: #32903-1 50ul #32903-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	KLC1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total KLC1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human Kinesin light chain 1 (Kinesin light chain 1 (KLC1)) (NP_005543.2).
Target Name	KLC1
Other Names	KLC1;KLC;KNS2;KNS2A
Accession No.	Uniprot:Q07866GeneID:3831
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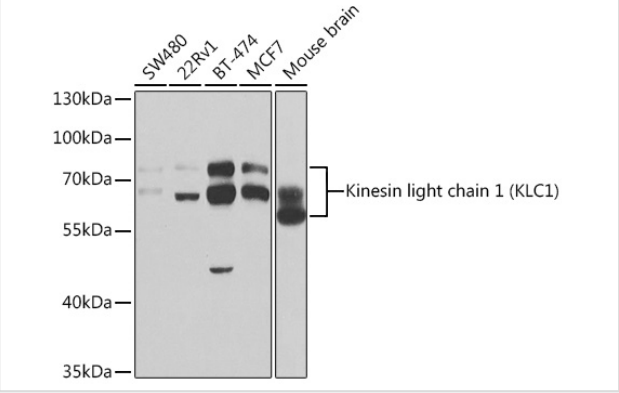
GeneID	3831
SDS-PAGE MW	60-75kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using Kinesin light chain 1 (Kinesin light chain 1 (KLC1)) antibody.

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.

Note: This product is for in vitro research use only