# antibodies -online.com







**Images** 



### Overview

Quantity:	200 μL
Target:	KLC1
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KLC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

# **Product Details**

Immunogen:	Recombinant protein of human KLC1
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

### **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.

Molecular Weight: 65 kDa
UniProt: Q07866

Pathways: Ribonucleoprotein Complex Subunit Organization

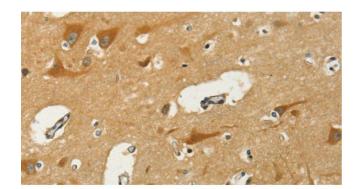
## **Application Details**

Application Notes: WB 1:200-1:1000, IHC 1:50-1:200

Restrictions: For Research Use only

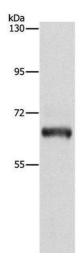
### Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



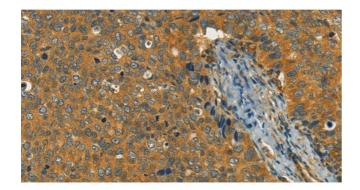
### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded Human brain using KLC1 Polyclonal Antibody at dilution of 1:40



### **Western Blotting**

**Image 2.** Western Blot analysis of Lovo cell using KLC1 Polyclonal Antibody at dilution of 1:500



# Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry of paraffin-embedded Human cervical cancer using KLC1 Polyclonal Antibody at dilution of 1:40