

DNAxPAb

Hard-to-Find
Antibody

KLC1 DNAxPab

Catalog # H00003831-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human KLC1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MYDNMSTMVYIKEDKLEKLTQDEIISKTKQVIQGLEALKNEHNSILQSLLETCLKLKKDDESNLVEE KSNMIRKSLEMLELGLSEAQVMMALSNHLNAVESEKQKLRAQVRRLCQENQWLRDELANTQQK LQKSEQSVAQLEEEKKHLEFMNQLKKYDDDISPSEDKDSTDSTKEPLDDLFPNDEDDPGGQIQQQ HSSAAAAAQGGGYEIPARLRTLHNLVIQYASQGRIYEVAVPLCKQALEDLEKTSBGHDHPDVATMLNI LALVYRDQNKYKDAANLLNDALAIREKTLGKDHPAVAATLNNLAVLYGKRGKYKEAEPLCKRALEI REKVLGKDHPDVAQQLNNLALLCQNGKYEEVEYYYQRALEINQTKLGPDDPNVAKTKNNLASCY LKQGKFKQAETLYKEILTRAHEREFGSVDDENKPIWMHAEERECKGKQKDGTSFGEYGGWYKA CKVDSPTVTTLKNLGALYRRQGKFEAAETLEEAAMRSRKQGLDNVHKQ RVAEVLNDPENMEK RRSRESLNVDVVKYESGPDGGGEEVSMSEVWNGMRKMKLGLVN
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — KLC1

Entrez GeneID [3831](#)

GeneBank Accession# [NM_005552.4](#)

Protein Accession# [NP_005543.2](#)

Gene Name KLC1

Gene Alias KLC, KNS2, KNS2A, MGC15245

Gene Description kinesin light chain 1

Omim ID [600025](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations kinesin 2 (60-70kD)|kinesin 2 60/70kDa|medulloblastoma antigen MU-MB-2.50

Disease

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