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Product datasheet for TA357803

KLC1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human KLC1
Specificity:	**Expected reactivity**: Human **Homology**: Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 93%; Zebrafish: 79%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	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.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	60 kDa
Gene Name:	kinesin light chain 1
Database Link:	NP_001123579.1 Entrez Gene 3831 Human Q07866-8

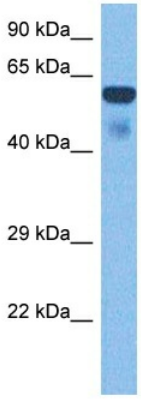
View online »

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.

Synonyms: hKLC1B; hKLC1G; hKLC1J; hKLC1N; hKLC1P; hKLC1R; hKLC1S; KLC; KNS2; KNS2A; MGC15245

Protein Families: Druggable Genome

Product images:



Host: Rabbit
Target Name: KLC1
Sample Type: Liver Tumorl Lysate
Antibody Dilution: 1.0µg/ml

Host: Rabbit
Target Name: KLC1
Sample Tissue: Liver Tumor lysates
Antibody Dilution: 1.0ug/ml