

Product datasheet for **TA337566**

KLC3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-KLC3 antibody: synthetic peptide directed towards the middle region of human KLC3. Synthetic peptide located within the following region: LLCQNQGKFEDVERHYARALSIYEALGGPHDPNVAKTKNNLASAYLKQNK
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	55 kDa
Gene Name:	kinesin light chain 3
Database Link:	NP_803136 Entrez Gene 147700 Human Q6P597

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Background:

KLC3 is a member of the kinesin light chain gene family. Kinesins are molecular motors involved in the transport of cargo along microtubules, and are composed of two kinesin heavy chain (KHC) and two kinesin light chain (KLC) molecules. KLCs are thought to typically be involved in binding cargo and regulating kinesin activity. In the rat, a protein similar to this gene product is expressed in post-meiotic spermatids, where it associates with structural components of sperm tails and mitochondria. This gene encodes a member of the kinesin light chain gene family. Kinesins are molecular motors involved in the transport of cargo along microtubules, and are composed of two kinesin heavy chain (KHC) and two kinesin light chain (KLC) molecules. KLCs are thought to typically be involved in binding cargo and regulating kinesin activity. In the rat, a protein similar to this gene product is expressed in post-meiotic spermatids, where it associates with structural components of sperm tails and mitochondria.

Synonyms:

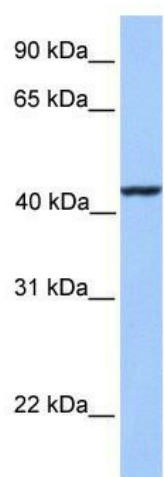
KLC2; KLC2L; KLCt; KNS2B

Note:

Immunogen Sequence Homology: Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 93%; Horse: 92%; Dog: 86%; Pig: 86%; Guinea pig: 86%; Rabbit: 77%

Protein Families:

Druggable Genome

Product images:


WB Suggested Anti-KLC3 Antibody Titration: 0.2-1 ug/ml; Positive Control: Jurkat cell lysate