

Product datasheet for **TA392834**

DNAL1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 128-184 of Human DNAL1.
Specificity:	DNAL1 (N161) polyclonal antibody detects endogenous levels of DNAL1 protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 22 kDa
Gene Name:	dynein axonemal light chain 1
Database Link:	Entrez Gene 83544 Human Q4LDG9



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Background:

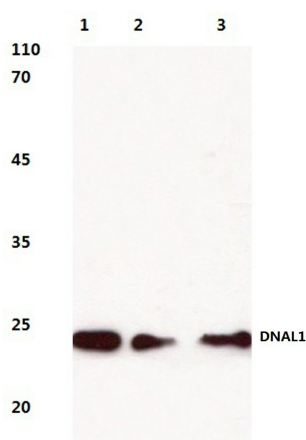
Dyneins are multi-subunit, high molecular weight ATPases that interact with microtubules to generate force by converting the chemical energy of ATP into the mechanical energy of movement. Cytoplasmic or axonemal dynein heavy, intermediate, light and light-intermediate chains are all components of minus end-directed motors. Dynein complexes transport cellular cargos toward the central region of the cell. Containing one to three non-identical heavy chains, axonemal dynein motors cause a sliding of microtubules in the axonemes of cilia and flagella in a mechanism necessary for cilia movement and cell propulsion. DNAL1 (dynein light chain 1, axonemal), also known as MGC12435 or C14orf168, is a 190 amino acid member of the dynein light chain LC1-type protein family. Containing four leucine-rich repeats, DNAL1 interacts directly with DNAH5. DNAL1 is expressed in testis and other tissues carrying motile cilia.

Synonyms:

axonemal; C14orf168; Dynein light chain 1

Note:

For research use only, not for use in diagnostic procedure.

Product images:

Western blot (WB) analysis of DNAL1 (N161) pAb at 1:1000 dilution Lane1:L02 whole cell lysate(20ug) Lane2:HepG2 whole cell lysate(40ug) Lane3:AML-12 whole cell lysate(40ug) Lane4:C6 whole cell lysate(40ug)