

Dynein IC1 rabbit pAb**Cat#: orb768404 (Manual)**

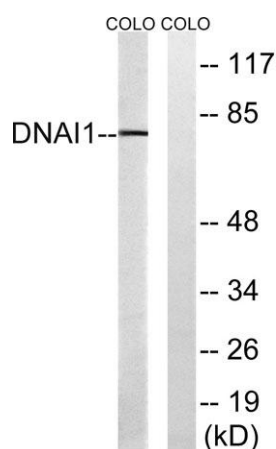
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Product Name	Dynein IC1 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human DNAI1. AA range:211-260
Specificity	Dynein IC1 Polyclonal Antibody detects endogenous levels of Dynein IC1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Dynein intermediate chain 1 axonemal
Gene Name	DNAI1
Cellular localization	Dynein axonemal particle . Cytoplasm, cytoskeleton, cilium axoneme .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

Concentration	1 mg/ml
Observed band	79kD
Human Gene ID	27019
Human Swiss-Prot Number	Q9UI46
Alternative Names	DNAI1; Dynein intermediate chain 1; axonemal; Axonemal dynein intermediate chain 1

Background

This gene encodes a member of the dynein intermediate chain family. The encoded protein is part of the dynein complex in respiratory cilia. The inner- and outer-arm dyneins, which bridge between the doublet microtubules in axonemes, are the force-generating proteins responsible for the sliding movement in axonemes. The intermediate and light chains, thought to form the base of the dynein arm, help mediate attachment and may also participate in regulating dynein activity. Mutations in this gene result in abnormal ciliary ultrastructure and function associated with primary ciliary dyskinesia and Kartagener syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013],



Western blot analysis of lysates from COLO cells, using DNAI1 Antibody. The lane on the right is blocked with the synthesized peptide.