

## Product datasheet for **AP51284PU-N**

### Dynein intermediate chain 1 (DNAI1) (N-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 91-120 amino acids from the N-terminal region of human DNAI1
Specificity:	This antibody recognizes Human DNAI1 (N-term).
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	dynein axonemal intermediate chain 1
Database Link:	<a href="#">Entrez Gene 27019 Human</a> <a href="#">Q9UI46</a>



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**Background:**

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. This gene encodes an intermediate chain dynein, belonging to the large family of motor proteins. Mutations in this gene result in abnormal ciliary ultrastructure and function associated with primary ciliary dyskinesia (PCD) and Kartagener syndrome.

**Synonyms:**

Dynein intermediate chain 1 axonemal

**Note:**

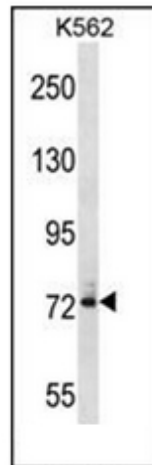
**Molecular Weight:** 79283 Da

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Huntington's disease

**Product images:**

Western blot analysis of DNAI1 Antibody (N-term) in K562 cell line lysates (35ug/lane). This demonstrates the DNAI1 antibody detected the DNAI1 protein (arrow).