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DNAI1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant DNAI1.
Catalog # AT1785a

Specification

DNAI1 Antibody (monoclonal) (M01) - Product Information

Application	**WB**
Primary Accession	Q9UI46
Other Accession	BC030583
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a kappa**
Calculated MW	**79283**

DNAI1 Antibody (monoclonal) (M01) - Additional Information

Gene ID 27019

Other Names
Dynein intermediate chain 1, axonemal, Axonemal dynein intermediate chain 1, DNAI1

Target/Specificity
DNAI1 (AAH30583, 1 a.a. ~ 699 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
DNAI1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

DNAI1 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

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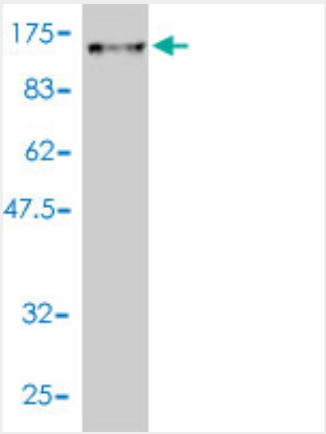
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DNAI1 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (102.63 KDa) .

DNAI1 Antibody (monoclonal) (M01) - 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.

DNAI1 Antibody (monoclonal) (M01) - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Primary ciliary dyskinesia: improving the diagnostic approach. Leigh MW, et al. Curr Opin Pediatr, 2009 Jun. PMID 19300264.Mutations in dynein genes in patients affected by isolated non-syndromic asthenozoospermia. Zuccarello D, et al. Hum Reprod, 2008 Aug. PMID 18492703.DNAI1 mutations explain only 2% of primary ciliary dykinesia. Failly M, et al. Respiration, 2008. PMID 18434704.Mutations of DNAI1 in primary ciliary dyskinesia: evidence of founder effect in a common mutation. Zariwala MA, et al. Am J Respir Crit Care Med, 2006 Oct 15. PMID 16858015.