

Product Name: Dynein IC2 Rabbit Polyclonal Antibody
Catalog #: APRab10228



Summary

Production Name	Dynein IC2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat,Chicken

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	DNAI2
Alternative Names	DNAI2; Dynein intermediate chain 2; axonemal; Axonemal dynein intermediate chain 2
Gene ID	64446.0
SwissProt ID	Q9GZS0.The antiserum was produced against synthesized peptide derived from human DNAI2. AA range:71-120

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:10000
Molecular Weight	70kD

Background

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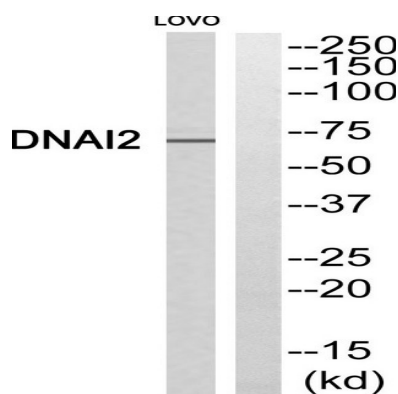


The protein encoded by this gene belongs to the dynein intermediate chain family, and is part of the dynein complex of respiratory cilia and sperm flagella. Mutations in this gene are associated with primary ciliary dyskinesia type 9. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Mar 2010],disease:Defects in DNAI2 are the cause of primary ciliary dyskinesia type 9 (CILD9) [MIM:612444]. CILD is an autosomal recessive disorder characterized by axonemal abnormalities of motile cilia. Respiratory infections leading to chronic inflammation and bronchiectasis are recurrent, due to defects in the respiratory cilia; reduced fertility is often observed in male patients due to abnormalities of sperm tails. Half of the patients exhibit situs inversus, due to dysfunction of monocilia at the embryonic node and randomization of left-right body asymmetry. Primary ciliary dyskinesia associated with situs inversus is referred to as Kartagener syndrome.,function:Part of the dynein complex of respiratory cilia.,sequence caution:Intron retention.,similarity:Belongs to the dynein intermediate chain family.,similarity:Contains 5 WD repeats.,subunit:Consists of at least two heavy chains and a number of intermediate and light chains. Interacts with KTU.,tissue specificity:Highly expressed in trachea and testis.,

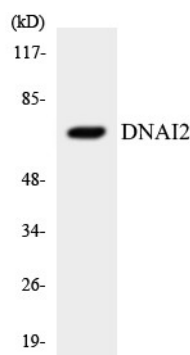
Research Area

Huntington's disease;

Image Data



Western blot analysis of DNAI2 Antibody. The lane on the right is blocked with the DNAI2 peptide.



Western blot analysis of the lysates from RAW264.7 cells using DNAI2 antibody.

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Note

For research use only.