

Dynein IC2 Polyclonal Antibody

Catalog No :	YT1430
Reactivity :	Human;Mouse;Rat;Chicken
Applications :	WB;ELISA
Target :	Dynein IC2
Fields :	>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Pathways of neurodegeneration - multiple diseases
Gene Name :	DNAI2
Protein Name :	Dynein intermediate chain 2 axonemal
Human Gene Id :	64446
Human Swiss Prot No :	Q9GZS0
Mouse Gene Id :	432611
Mouse Swiss Prot No :	A2AC93
Rat Gene Id :	360654
Rat Swiss Prot No :	Q66HC9
Immunogen :	The antiserum was produced against synthesized peptide derived from human DNAI2. AA range:71-120
Specificity :	Dynein IC2 Polyclonal Antibody detects endogenous levels of Dynein IC2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	70kD
Cell Pathway :	Huntington's disease;
Background :	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],
Function :	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 nu
Subcellular Location :	Cytoplasm, cytoskeleton, cilium axoneme . Dynein axonemal particle . Located in the proximal region of respiratory cilia. .
Expression :	Highly expressed in trachea and testis. Expressed in respiratory ciliated cells (at protein level) (PubMed:33139725).

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