

Anti-CCDC39 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 110 kDa. Actual: 110 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: DU145 (Human) Cell Lysate at 30 µg Primary: Anti-CCDC39 (TMAB-03745) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 110 kD Observed band size: 110 kD
	2. Sample: HL-60 (Human) Cell Lysate at 30 µg Primary: Anti-CCDC39 (TMAB-03745) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 110 kD Observed band size: 110 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human CCDC39
Antigen Species:	Human
Gene ID:	339829
Uniprot ID:	Q9UFE4

Research Background

Required for assembly of dynein regulatory complex (DRC) and inner dynein arm complexes, which are responsible for ciliary beat regulation, thereby playing a central role in motility in cilia and flagella. Not required for outer dynein arm complexes assembly.

Tissue specificity: Mainly expressed in nasal brushings and, to a lesser extent, in lungs and testis.

Involvement in disease: Defects in CCDC39 are the cause of primary ciliary dyskinesia type 14 (CILD14). A disorder characterized by 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

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patients due to abnormalities of sperm tails. Half of the patients exhibit randomization of left-right body asymmetry and situs inversus, due to dysfunction of monocilia at the embryonic node. Primary ciliary dyskinesia associated with situs inversus is referred to as Kartagener syndrome.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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