

## Anti-RSPH4A Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Chicken, Dog, Pig, Cow, Horse, Sheep)
Molecular Weight:	Theoretical: 81 kDa. Actual: 81 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	1. Sample:
	Lung (Mouse) Lysate at 40 µg
	A431 (Human) Cell Lysate at 30 µg
	Testis (Mouse) Lysate at 40 µg
	Primary: Anti-RSPH4A (TMAB-12403) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 81 kD
	Observed band size: 81 kD
	2. Sample: Trachea (Mouse) Lysate at 40 µg
	Primary: Anti-RSPH4A (TMAB-12403) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution	
Predicted band size: 81 kD	
Observed band size: 81 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 RSPH4A/RSHL3
Antigen Species:	Human
Gene ID:	345895
Uniprot ID:	Q5TD94

## Research Background

RSHL3 is predicted to be a component of the radial spoke head based on homology with proteins in the biflagellate alga *Chlamydomonas reinhardtii* and other ciliates. RSHL3 (radial spoke head-like protein 3), also known as radial spoke head protein 4 homolog A, is a 716 amino acid protein that belongs to the flagellar radial spoke RSP4/6 family. Mutations in the RSHL3 gene cause primary ciliary dyskinesia 1, a disease arising from dysmotility of motile cilia and sperm. Existing as three alternatively spliced isoforms, the RSHL3 gene contains 6 exons, is conserved in chimpanzee, dog, cow, mouse, rat, chicken, zebrafish, fruit fly and *P.falciparum*, and maps to human chromosome

6q22.1.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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