

Product Datasheet

RABL4 Antibody - BSA Free

NBP1-87170

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 4

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Updated 9/9/2025 v.20.1

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NBP1-87170

RABL4 Antibody - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

Description	Novus Biologicals Rabbit RABL4 Antibody - BSA Free (NBP1-87170) is a polyclonal antibody validated for use in WB. Anti-RABL4 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	11020
Gene Symbol	IFT27
Species	Human
Reactivity Notes	Rat (80%).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: TNEESFNNCSKWLEKARSQAPGISLPGVLVGNKTDLAGRRRAVDSAEARAWAL GQGLECFETSVKEMENFEAPFHCLAKQFHQLYREKVEV

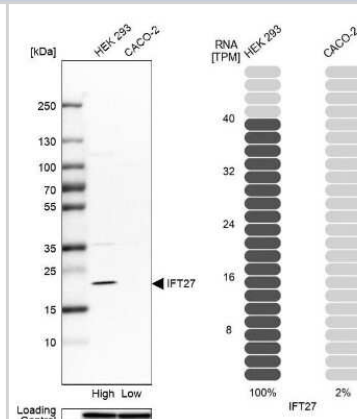
Product Application Details

Applications	Western Blot
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml

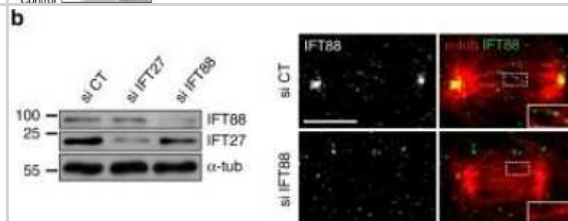


Images

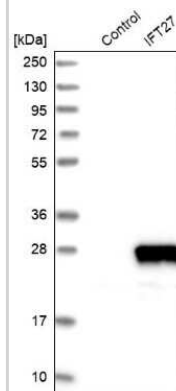
Western Blot: RABL4 Antibody [NBP1-87170] - Analysis in human cell lines HEK293 and Caco-2 using anti-IFT27 antibody. Corresponding IFT27 RNA-seq data are presented for the same cell lines. Loading control: anti-COX4I1.



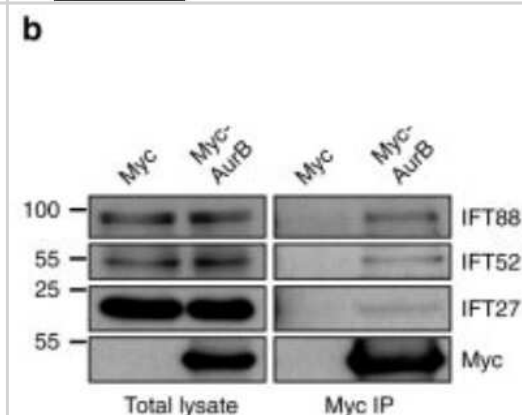
Western Blot: RABL4 Antibody [NBP1-87170] - IFT proteins associate with central spindle MTs in anaphase and are required for their organization. Western blots (left) showing the amount of IFT27 and IFT88 in LLC-PK1 cells transfected with control (CT), IFT27 or IFT88 siRNA. alpha-tubulin: loading control. Immunofluorescence images (right) showing a decrease of IFT88 staining in an anaphase cell upon IFT88 depletion. Scale bars: 10µm for main images, 3µm for insets. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41467-017-01479-3>), licensed under a CC-BY license.



Western Blot: RABL4 Antibody [NBP1-87170] - Analysis in control (vector only transfected HEK293T lysate) and IFT27 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



Western Blot: RABL4 Antibody [NBP1-87170] - IFT proteins are required for the timely relocalization of the kinase Aurora B to the central spindle. Myc immunoprecipitation performed on mitotic HeLa Kyoto cells transfected with Myc or with Myc-Aurora B. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41467-017-01479-3>), licensed under a CC-BY license.



Publications

kanie T, Abbott kL, MooneY NA et al. The CEP19-RABL2 GTPase Complex Binds IFT-B to Initiate Intraflagellar Transport at the Ciliary Base. Dev. Cell. 2017-07-10 [PMID: 28625565]

Vitre B, Taulet N et al. IFT proteins interact with HSET to promote supernumerary centrosome clustering in mitosis. EMBO Rep 2020-04-06 [PMID: 32270908] (WB, Human)

Taulet N, Vitre B, Anguille C et al. IFT proteins spatially control the geometry of cleavage furrow ingression and lumen positioning. Nat Commun 2017-12-04 [PMID: 29203870] (WB)

Stadler C, Rexhepaj E, Singan VR et al. Immunofluorescence and fluorescent-protein tagging show high correlation for protein localization in mammalian cells. Nat Methods 2013-04-01 [PMID: 23435261]





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Products Related to NBP1-87170

NBP1-87170PEP	RABL4 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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