

Anti-Rab11a [STo 7C10]

Catalogue number: 151192

Sub-type: Primary antibody

Images:

Contributor

Inventor: Sharon Tooze

Institute: Cancer Research UK, London Research Institute: Lincoln's Inn Fields

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Rab11a [STo 7C10]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Rab11a is a member of the Rab family of Ras-like small GTPases, which regulate membrane trafficking events (e.g. vesicle recycling). Regulates endocytic recycling, may exert its functions by interacting with multiple effector proteins in different complexes & acts as a major regulator of membrane delivery during cytokinesis. Together with MYO5B and RAB8A participates in epithelial cell polarization. Together with RAB3IP, RAB8A, the exocyst complex, PARD3, PRKCI, ANXA2, CDC42 and DNMBP promotes transcytosis of PODXL to the apical membrane initiation sites (AMIS), apical surface formation and lumenogenesis (By similarity). Together with MYO5B participates in CFTR trafficking to the plasma membrane and TF (Transferrin) recycling in nonpolarized cells. Required in a complex with MYO5B and RAB11FIP2 for the transport of NPC1L1 to the plasma membrane. Participates in the sorting and basolateral transport of CDH1 from the Golgi apparatus to the plasma membrane. Regulates the recycling of FCGRT (receptor of Fc region of monomeric Ig G) to basolateral membranes.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host:

Mouse

Immunogen: Rab11a peptide KQMSDRRENDM

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Rab11a

Target alternate names:

Target background: Rab11a is a member of the Rab family of Ras-like small GTPases, which regulate membrane trafficking events (e.g. vesicle recycling). Regulates endocytic recycling, may exert its functions by interacting with multiple effector proteins in different complexes & acts as a major regulator of membrane delivery during cytokinesis. Together with MYO5B and RAB8A participates in epithelial cell polarization. Together with RAB3IP, RAB8A, the exocyst complex, PARD3, PRKCI, ANXA2, CDC42 and DNMBP promotes transcytosis of PODXL to the apical membrane initiation sites (AMIS), apical surface formation and lumenogenesis (By similarity). Together with MYO5B participates in CFTR trafficking to the plasma membrane and TF (Transferrin) recycling in nonpolarized cells. Required in a complex with MYO5B and RAB11FIP2 for the transport of NPC1L1 to the plasma membrane. Participates in the sorting and basolateral transport of CDH1 from the Golgi apparatus to the plasma membrane. Regulates the recycling of FCGRT (receptor of Fc region of monomeric Ig G) to basolateral membranes.

Molecular weight:

Ic50:

Applications

Application: ELISA ; IP ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1.1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Lu et al. 2016. Biol Open. 5(10):1449-1460. PMID: 27744293. ; Beck et al. 2012. Genes Dev. 26(23):2580-9. PMID: 23152447. ; Salsi et al. 2009. Mol Cell Biol. 29(21):5775-88. PMID: 19703996. ; Burke et al. 2001. J Biol Chem. 276(18):15397-408. PMID: 11278932.