

Ras-related protein Rab-5A Polyclonal Antibody

Catalog No: #42305

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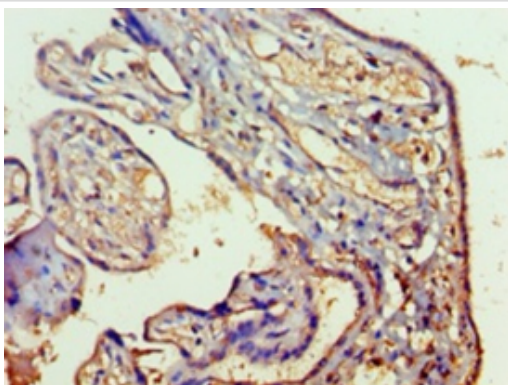
Description

Product Name	Ras-related protein Rab-5A Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Ras-related protein Rab-5A polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Ras-related protein Rab-5A proteinB£B"1-215aaB£B©
Target Name	Ras-related protein Rab-5A
Other Names	Ras-related protein Rab-5A, RAB5, RAB5A
Accession No.	Swiss-Prot#: P20339
Uniprot	P20339
GeneID	5868;
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Immunohistochemistry: 1:20 - 1:200

Images



Immunohistochemical analysis of paraffin-embedded human placenta tissue using #42305 at dilution of 1:100.

Background

The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. RAB5A is required for the fusion of plasma membranes and early endosomes. Contributes to the regulation of filopodia extension.

References

[1]"Initial characterization of the human central proteome." Burkard T.R., Planyavsky M., Kaupe I., Breitwieser F.P., Buerckstuegger T., Bennett K.L., Superti-Furga G., Colinge J. BMC Syst. Biol. 5:17-17(2011) . [2]"A quantitative atlas of mitotic phosphorylation." Dephoure N., Zhou C., Villen J., Beausoleil S.A., Bakalarski C.E., Elledge S.J., Gygi S.P. Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008). [3]"Proteomic and bioinformatic characterization of the biogenesis and function of melanosomes." Chi A., Valencia J.C., Hu Z.-Z., Watabe H., Yamaguchi H., Mangini N.J., Huang H., Canfield V.A., Cheng K.C., Yang F., Abe R., Yamagishi S., Shabanowitz J., Hearing V.J., Wu C., Appella E., Hunt D.F. J. Proteome Res. 5:3135-3144(2006).

Note: This product is for in vitro research use only