

RAP1GAP Antibody

Catalog No: #47701

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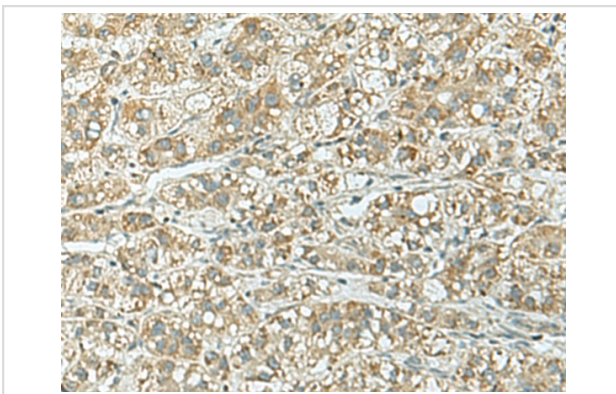
Description

Product Name	RAP1GAP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu, Ms
Specificity	The antibody detects endogenous levels of total RAP1GAP protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide of human RAP1GAP
Target Name	RAP1GAP
Other Names	RAPGAP; RAP1GA1; RAP1GAP1; RAP1GAPII
Accession No.	Swiss-Prot#:P47736NCBI Gene ID:5909Gene Accssion:NP_001139129
Concentration	0.7
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

IHC dilution:1: 25-100

Images



The image is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 47701(RAP1GAP Antibody) at dilution 1/25.(Original magnification: 200)

Background

This gene encodes a type of GTPase-activating-protein (GAP) that down-regulates the activity of the ras-related RAP1 protein. RAP1 acts as a molecular switch by cycling between an inactive GDP-bound form and an active GTP-bound form. The product of this gene, RAP1GAP, promotes the hydrolysis of bound GTP and hence returns RAP1 to the inactive state whereas other proteins, guanine nucleotide exchange factors (GEFs), act as RAP1 activators by facilitating the conversion of RAP1 from the GDP- to the GTP-bound form. In general, ras subfamily proteins, such as RAP1, play key roles in receptor-linked signaling pathways that control cell growth and differentiation. RAP1 plays a role in diverse processes such as cell proliferation, adhesion, differentiation, and embryogenesis. Alternative splicing results in multiple transcript variants encoding distinct proteins.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.