

RHOQ Polyclonal Antibody

Catalog No :	YN1231
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	RHOQ
Fields :	>>Insulin signaling pathway
Gene Name :	RHOQ ARHQ RASL7A TC10
Protein Name :	Rho-related GTP-binding protein RhoQ (Ras-like protein TC10) (Ras-like protein family member 7A)
Human Gene Id :	23433
Human Swiss Prot No :	P17081
Mouse Swiss Prot No :	Q8R527
Rat Swiss Prot No :	Q9JJL4
Immunogen :	Synthesized peptide derived from human protein . at AA range: 60-140
Specificity :	RHOQ Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 22kD

Cell Pathway : Insulin_Receptor;

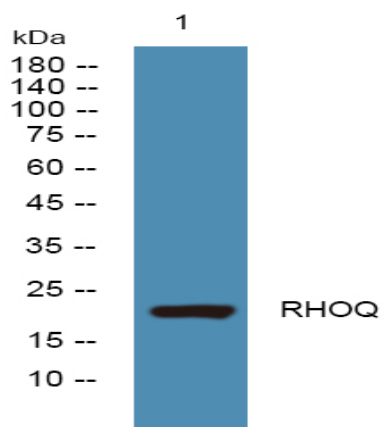
Background : This gene encodes a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. The encoded protein is an important signalling protein for sarcomere assembly and has been shown to play a significant role in the exocytosis of the solute carrier family 2, facilitated glucose transporter member 4 and other proteins, possibly acting as the signal that turns on the membrane fusion machinery. Three related pseudogene have been identified on chromosomes 2 and 14. [provided by RefSeq, Aug 2011],

Function : enzyme regulation:Regulated by guanine nucleotide exchange factors (GEFs) which promote the exchange of bound GDP for free GTP, GTPase activating proteins (GAPs) which increase the GTP hydrolysis activity, and GDP dissociation inhibitors which inhibit the dissociation of the nucleotide from the GTPase.,function:Plasma membrane-associated small GTPase which cycles between an active GTP-bound and an inactive GDP-bound state. In active state binds to a variety of effector proteins to regulate cellular responses. Involved in epithelial cell polarization processes. May play a role in CFTR trafficking to the plasma membrane. Causes the formation of thin, actin-rich surface projections called filopodia.,PTM:May be post-translationally modified by both palmitoylation and polyisoprenylation.,similarity:Belongs to the small GTPase superfamily. Rho family.,subunit:Interacts with CDC42EP4 in a GTP-d

Subcellular Location : Cytoplasm . Cell membrane ; Lipid-anchor .

Expression : Brain,Embryo,Lung,Skin,

Products Images



Western blot analysis of lysates from HCT116 cells, primary antibody was diluted at 1:1000, 4° over night