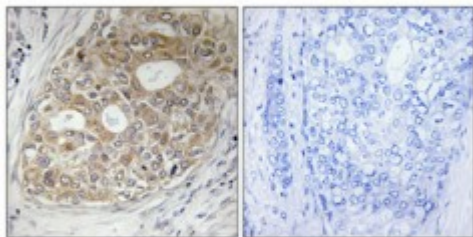


Anti-ARF GAP1 antibody



Description

ARF GAP1 is a protein encoded by the ARFGAP1 gene which is approximately 44,6 kDa. ARF GAP1 is localised to the cytoplasm and Golgi apparatus. It is involved in the transport to the Golgi and subsequent modification, vesicle-mediated transport and metabolism of proteins. It promotes hydrolysis of ADP-ribosylation factor 1-bound GTP and is required for the dissociation of coat proteins from Golgi-derived membranes and vesicles. Dissociation of the coat proteins is required for the fusion of these vesicles with target compartments. ARF GAP1 is expressed in the nervous system, liver, lung and skin. STJ91671 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of ARF GAP1 protein.

Model	STJ91671
Host	Rabbit
Reactivity	Human, Mouse, Rat, Simian
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human ARF GAP1
Immunogen Region	140-220 aa, Internal
Gene ID	55738
Gene Symbol	ARFGAP1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	ARF GAP1 Polyclonal Antibody detects endogenous levels of ARF GAP1 protein.

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	ADP-ribosylation factor GTPase-activating protein 1 ARF GAP 1 ADP-ribosylation factor 1 GTPase-activating protein ARF1 GAP ARF1-directed GTPase-activating protein
Molecular Weight	60/48 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:15852OMIM:608377
Alternative Names	ADP-ribosylation factor GTPase-activating protein 1 ARF GAP 1 ADP-ribosylation factor 1 GTPase-activating protein ARF1 GAP ARF1-directed GTPase-activating protein
Function	GTPase-activating protein (GAP) for the ADP ribosylation factor 1 (ARF1). Involved in membrane trafficking and /or vesicle transport. Promotes hydrolysis of the ARF1-bound GTP and thus, is required for the dissociation of coat proteins from Golgi-derived membranes and vesicles, a prerequisite for vesicle's fusion with target compartment. Probably regulates ARF1-mediated transport via its interaction with the KDELR proteins and TMED2. Overexpression induces the redistribution of the entire Golgi complex to the endoplasmic reticulum, as when ARF1 is deactivated. Its activity is stimulated by phosphoinositides and inhibited by phosphatidylcholine .
Sequence and Domain Family	The region downstream of Arf-GAP domain is essential to GAP activity in vivo. This region may be required for its targeting to Golgi membranes .
Cellular Localization	Cytoplasm Golgi apparatus. Associates with the Golgi complex.