



Anti-ARF1 (aa 82-181) polyclonal antibody (DPAB-DC1765)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	ADP-ribosylation factor 1 (ARF1) is a member of the human ARF gene family. The family members encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking as activators of phospholipase D. The gene products, including 6 ARF proteins and 11 ARF-like proteins, constitute a family of the RAS superfamily. The ARF proteins are categorized as class I (ARF1, ARF2 and ARF3), class II (ARF4 and ARF5) and class III (ARF6), and members of each class share a common gene organization. The ARF1 protein is localized to the Golgi apparatus and has a central role in intra-Golgi transport. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene.
Immunogen	ARF1 (NP_001649, 82 a.a. ~ 181 a.a) partial recombinant protein with GST tag. The sequence is FQNTQGLIFVVDSDNRERVNEAREELMRMLAEDEL RDAVLLVFANKQDLPNAMNAAEITD KLGLHSLRHRNWYIQATCATSGDGLYEGLDWLSNQLRNQK
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ARF1 ADP-ribosylation factor 1 [Homo sapiens (human)]
Official Symbol	ARF1
Synonyms	ARF1; ADP-ribosylation factor 1;
Entrez Gene ID	375
Protein Refseq	NP_001019397
UniProt ID	A0A024R3Q3
Chromosome Location	1q42
Pathway	Adaptive Immune System; Arf6 downstream pathway; Cell cycle; Clathrin derived vesicle budding
Function	GTP binding; GTPase activity; poly(A) RNA binding; protein binding