



Rabbit Anti-ARL8B antibody

SL20099R

Product Name:	ARL8B
Chinese Name:	ADP核糖基化样因子8B抗体
Alias:	ADP ribosylation factor like 10C; ADP-ribosylation factor-like protein 10C; ADP-ribosylation factor-like protein 8B; ARL10C; ARL8B; ARL8B_HUMAN; FLJ10702; Gie1; Novel small G protein indispensable for equal chromosome segregation 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	22kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ARL8B:1-100/186
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	ADP-ribosylation factors (ARFs) are highly conserved guanine nucleotide binding proteins that enhance the ADP-ribosyltransferase activity of Cholera Toxin. ARF's are important in eukaryotic vesicular trafficking pathways and they play an essential role in the activation of phospholipase D (PC-PLD). ARL8B (ADP-ribosylation factor-like protein 8B), also known as ARL10C or GIE1, is a 186 amino acid protein that localizes

to the late endosome membrane and belongs to the ARL family of ARF-like GTPase proteins. Expressed ubiquitously, ARL8A interacts with Tubulin and is thought to play a role in lysosome motility, as well as in chromosomal segregation. The gene encoding ARL8B maps to human chromosome 3, which houses over 1,100 genes, including a chemokine receptor (CKR) gene cluster and a variety of human cancer-related gene loci.

Function:

May play a role in lysosome motility (PubMed:16537643). May play a role in chromosome segregation (PubMed:15331635).

Subunit:

Interacts with tubulin.

Subcellular Location:

Late endosome membrane. Lysosome membrane. Cytoplasm, cytoskeleton, spindle.

Tissue Specificity:

Ubiquitously expressed.

Similarity:

Belongs to the small GTPase superfamily. Arf family.

SWISS:

Q9NVJ2

Gene ID:

55207

Database links:

[Entrez Gene: 55207](#)Human

[SwissProt: Q9NVJ2](#)Human

[Unigene: 250009](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.