



Rabbit Anti-ARF6 antibody

SL1145R

Product Name:	ARF6
Chinese Name:	ADP核糖基化因子6抗体
Alias:	ADP ribosylation factor 6; ADP ribosylation factor protein 6; ADP-ribosylation factor 6; Small GTPase; AI788669; AW496366; MGC102530; ADP ribosylation factor protein 6; ARF6_HUMAN; DKFZp564M0264; Small GTP binding protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	20kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ARF6:101-175/175
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:	This gene encodes a member of the human ARF gene family, which is part of the RAS superfamily. The ARF genes encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking and as activators of phospholipase D. The product of this gene is localized to the plasma membrane, and regulates vesicular trafficking, remodelling of

membrane lipids, and signaling pathways that lead to actin remodeling. A pseudogene of this gene is located on chromosome 7.

Function:

GTP-binding protein involved in protein trafficking; regulates endocytic recycling and cytoskeleton remodeling. May modulate vesicle budding and uncoating within the Golgi apparatus. Functions as an allosteric activator of the cholera toxin catalytic subunit, an ADP-ribosyltransferase. Involved in the regulation of dendritic spine development. Contributes to the regulation of dendritic branching and filopodia extension.

Subunit:

Interacts with ARHGAP21, ASAP2, HERC1, PIP5K1C and UACA. Interacts with NCS1/FREQ at the plasma membrane. Interacts with RAB11FIP3 and RAB11FIP4. Interacts with USP6 (via Rab-GAP TBC domain). Interacts with ECM29. Interacts with TBC1D24.

Subcellular Location:

Golgi apparatus. Cell membrane; Lipid-anchor. Endosome membrane; Lipid-anchor. Cell membrane. Cell projection, filopodium membrane; Lipid-anchor. Note=Recruited to the cell membrane in association with CYTH2 and ARL4C.

Similarity:

Belongs to the small GTPase superfamily. Arf family.

SWISS:

P62330

Gene ID:

382

Database links:

[Entrez Gene: 382](#)Human

[Entrez Gene: 11845](#)Mouse

[Entrez Gene: 780425](#)Pig

[Entrez Gene: 79121](#)Rat

[Omim: 600464](#)Human

[SwissProt: P26990](#)Chicken

[SwissProt: P62330](#)Human

[SwissProt: P62331](#)Mouse

[SwissProt: Q007T5](#)Pig

[SwissProt: P62332](#)Rat

[Unigene: 525330](#)Human

[Unigene: 719973](#)Human

[Unigene: 27308](#)Mouse

[Unigene: 6993](#)Rat

Important Note:

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

ARF6主要用于: Tumour方面的研究, 在很多Tumour组织中都有一定的表达及分布。

技术背景: rRNA

加工、内质网高尔基膜泡介导运输、细胞运动性、细胞附着、小GTP 酶介导Signal transduction、蛋白运输、膜泡介导运输、正调控肌动蛋白丝聚合、皮层肌动蛋白Cytoskeleton组织和生物发生、褶皱组织和生物发生、调控Rac 蛋白Signal transduction、负调控受体介导胞吞。