

ARG44446 anti-PARD6B antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PARD6B
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PARD6B
Species	Human
Immunogen	Human PARD6B recombinant protein
Conjugation	Un-conjugated
Alternate Names	PARD6B; Par-6 Family Cell Polarity Regulator Beta; PAR-6B; Partitioning Defective 6 Homolog Beta; PAR-6 Beta; PAR6B

Application Instructions

Application table	Application	Dilution
	FACS	1-3 µg/1x10 ⁶
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

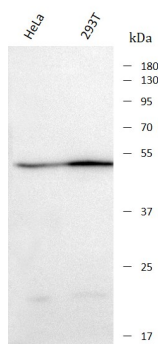
Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

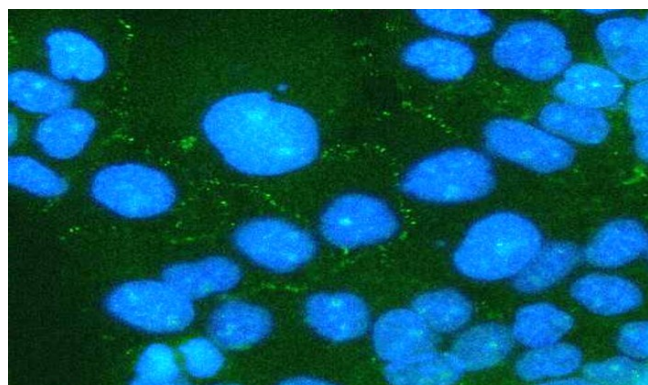
Gene Symbol	PARD6B
Gene Full Name	Par-6 Family Cell Polarity Regulator Beta
Background	This gene is a member of the PAR6 family and encodes a protein with a PSD95/Discs-large/ZO1 (PDZ) domain, an OPR domain and a semi-Cdc42/Rac interactive binding (CRIB) domain. This cytoplasmic protein is involved in asymmetrical cell division and cell polarization processes as a member of a multi-protein complex.
Function	Adapter protein involved in asymmetrical cell division and cell polarization processes. Probably involved in formation of epithelial tight junctions. Association with PARD3 may prevent the interaction of PARD3 with F11R/JAM1, thereby preventing tight junction assembly. The PARD6-PARD3 complex links GTP-bound Rho small GTPases to atypical protein kinase C proteins.
Calculated Mw	41 kDa
PTM	Phosphoprotein
Cellular Localization	Cell junction, Cell membrane, Cytoplasm, Membrane, Tight junction

Images

ARG44446 anti-PARD6B antibody WB image

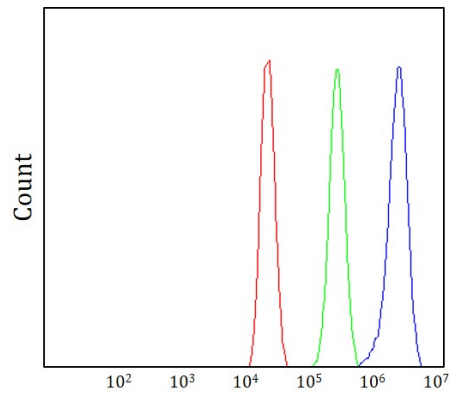


Western blot: HeLa and 293T stained with ARG44446 anti-PARD6B antibody at 0.5 µg/mL dilution.



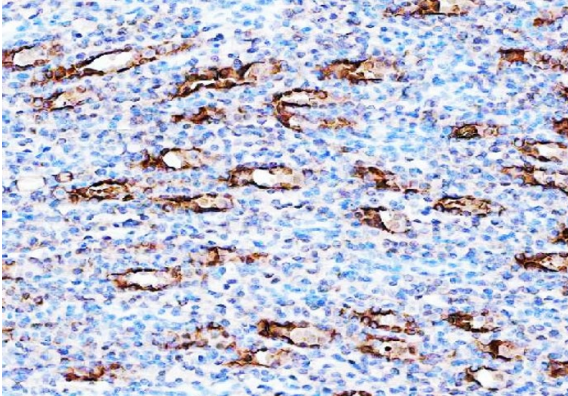
ARG44446 anti-PARD6B antibody ICC/IF image

Immunofluorescence: A431 stained with ARG44446 anti-PARD6B antibody at 5 µg/mL dilution.



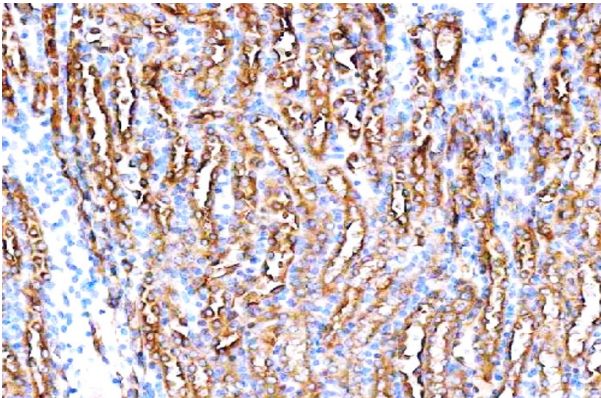
ARG44446 anti-PARD6B antibody FACS image

Flow Cytometry: MCF-7 stained with ARG44446 anti-PARD6B antibody at $1\text{ }\mu\text{g}/10^6$ cells dilution.



ARG44446 anti-PARD6B antibody IHC-P image

Immunohistochemistry: Rat kidney stained with ARG44446 anti-PARD6B antibody at $2\text{ }\mu\text{g}/\text{mL}$ dilution.



ARG44446 anti-PARD6B antibody IHC-P image

Immunohistochemistry: Mouse kidney stained with ARG44446 anti-PARD6B antibody at $2\text{ }\mu\text{g}/\text{mL}$ dilution.