

ARHGEF11 Recombinant antibody

Catalog Number: 84149-1-RR

Basic Information

Catalog Number:	84149-1-RR	GenBank Accession Number:	Purification Method:
Concentration:	1000 µg/ml	GeneID (NCBI):	Protein A purification
Source:	Rabbit	9826	CloneNo.:
Isotype:	IgG	UNIPROT ID:	241427A4
Immunogen Catalog Number:	AG33104	O15085	Recommended Dilutions:
		Full Name:	IHC 1:250-1:1000
		Rho guanine nucleotide exchange factor (GEF) 11	IF/ICC 1:125-1:500
		Calculated MW:	
		168 kDa	

Applications

Tested Applications:	Positive Controls:
IHC, IF/ICC, ELISA	IHC : human colon tissue,
Species Specificity:	IF/ICC : HuH-7 cells,
human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

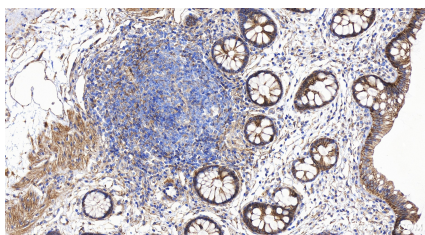
Background Information

ARHGEF11 (Rho Guanine Nucleotide Exchange Factor 11), also known as PDZ-RhoGEF or GTRAP48. ARHGEF11 contains several functional domains, including a PDZ domain and a RhoGEF domain. The PDZ domain allows it to interact with various proteins, such as ZO-1 and plexins, while the RhoGEF domain enables it to activate Rho GTPases. ARHGEF11 is a multifunctional protein that plays crucial roles in cell adhesion, signal transduction, and development. Its dysregulation has been linked to several diseases, making it an important area of research for potential therapeutic applications.

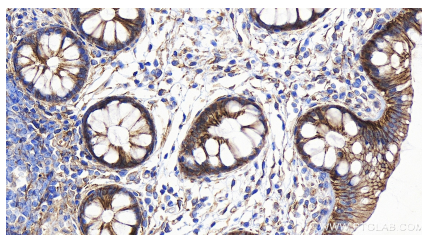
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

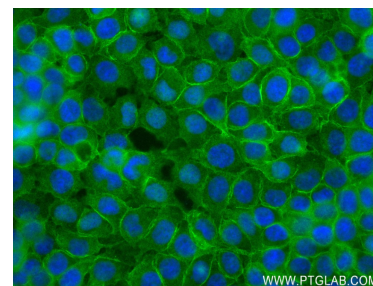
Selected Validation Data



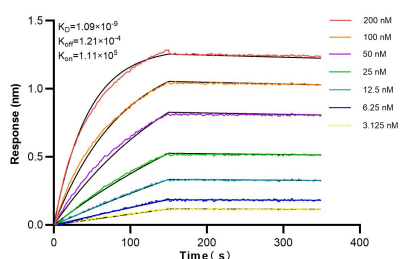
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 84149-1-RR (ARHGEF11 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Immunofluorescent analysis of (4% PFA) fixed HuH-7 cells using ARHGEF11 antibody (84149-1-RR, Clone: 241427A4) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84149-1-RR against Human ARHGEF11 were performed. The affinity constant is 1.09 nM.