

For Research Use Only

RIT1 Recombinant antibody, PBS Only

Catalog Number: 85347-1-PBS



Basic Information

Catalog Number: 85347-1-PBS	GenBank Accession Number: BC104186	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 6016	CloneNo.: 242593E4
Source: Rabbit	UNIPROT ID: Q92963	
Isotype: IgG	Full Name: Ras-like without CAAX 1	
Immunogen Catalog Number: AG25636	Calculated MW: 25 kDa	
	Observed MW: 25-28 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

Background Information

RIT1 (Ras-like without CAAX protein 1) is also named as RIBB, ROC1 and GTP-binding protein Rit1. RIT1 serves as a regulatory factor for neuronal cell proliferation, survival, and differentiation (PMID: 28007959). Rit1 mediates oxidative stress resistance, contributing to cell survival via the p38 MAPK signaling pathway (PMID: 21737674). As a small G protein of Ras family, RIT1 plays a critical role in various tumors (such as hepatocellular carcinoma, HCC) (PMID: 38017479). It is worth noting that RIT1 is frequently amplified in various human cancers including HCC, lung adenocarcinoma, cholangiocarcinoma, uterine carcinosarcoma, breast cancer, and ovarian cancer (PMID: 38017479).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

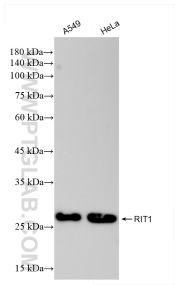
T: 4006900926

E: Proteintech-CN@ptglab.com

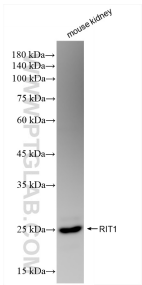
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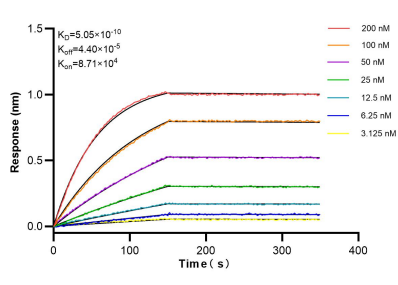
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85347-1-RR (RIT1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85347-1-PBS in a different storage buffer formulation.



Mouse kidney tissue was subjected to SDS PAGE followed by western blot with 85347-1-RR (RIT1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85347-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85347-1-RR against Human RIT1 were performed. The affinity constant is 0.505 nM.