

For Research Use Only

RIT2 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84520-1-PBS



Basic Information

Catalog Number: 84520-1-PBS	GenBank Accession Number: BC018060	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 6014	CloneNo.: 241916A7
Source: Rabbit	UNIPROT ID: Q99578	
Isotype: IgG	Full Name: Ras-like without CAAX 2	
Immunogen Catalog Number: AG3160	Calculated MW: 217 aa, 25 kDa	
	Observed MW: 25-28 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Background Information

RIT2 (AKA: Rin, Ras-like in neurons) is a small, neuronal, ras-like GTPase with enriched expression in SNc DANs (PMID: 38395968). RIT2 is a member of the Ras superfamily that plays important roles in many vital cellular functions, such as differentiation and survival (PMID: 29860660). Rit2 directly interacts with the DA transporter (DAT), and is required for regulated DAT membrane trafficking. In cell culture models, Rit2 is required for EGF- and NGF-mediated neurite outgrowth, NGF-mediated ERK phosphorylation, and cell viability (PMID: 38395968).

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:

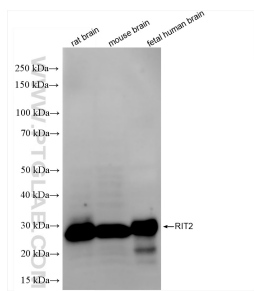
T: 4006900926

E: Proteintech-CN@ptglab.com

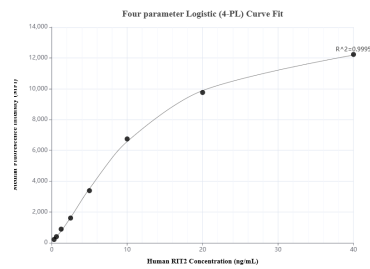
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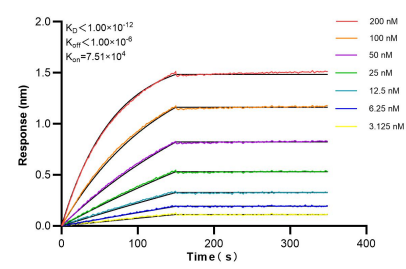
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84520-1-RR (RIT2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84520-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01369-1, RIT2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84520-2-PBS. Detection antibody: 84520-1-PBS. Standard: Ag3160. Range: 0.313-40 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 84520-1-RR against Human RIT2 were performed. The affinity constant is below 1 pM.