

For Research Use Only

Phospho-RASGRF1 (Ser927) Recombinant antibody



Catalog Number: 82309-1-RR

Basic Information

Catalog Number: 82309-1-RR	GenBank Accession Number: BC040275	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 5923	CloneNo.: 5K3
Source: Rabbit	UNIPROT ID: Q13972	Recommended Dilutions: WB 1:1000-1:5000
Isotype: IgG	Full Name: Ras protein-specific guanine nucleotide-releasing factor 1	
	Calculated MW: 134 kDa	
	Observed MW: 145 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Forskolin treated HeLa cells,
Species Specificity: Human	

Background Information

The RASGRF1 exchange factor, which is also known as CDC25 in *Saccharomyces cerevisiae*, promotes the exchange of Ras-bound GDP by GTP, is known to play central roles in pathways of cellular growth and differentiation. The serine residue at position 916 in mouse Ras-GRF1 is a PKA phosphorylation site, and the corresponding human residue is serine 927. It's reported that phosphorylation of serine 916 is necessary but not sufficient for maximal activation of mouse RASGRF1. The calculated MW of non-phosphorylated RASGRF1 is 145 kDa. 82309-1-RR can detect a band around 145 kDa, and can detect the increasing phosphorylation level after Forskolin treated. (PMID:15853814, 10601308)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

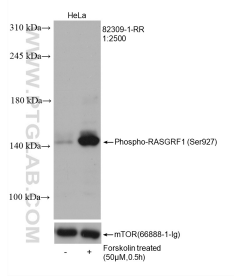
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Selected Validation Data



Non-treated and Forskolin treated HeLa cells were subjected to SDS PAGE followed by western blot with 82309-1-RR (Phospho-RASGRF 1 (Ser927) antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with mTOR (6688-1-Ig) as loading control.