

For Research Use Only

DIRAS2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86460-1-PBS



Basic Information

Catalog Number:	86460-1-PBS	GenBank Accession Number:	BC008065	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	54769	CloneNo.:	251286F3
Source:	Rabbit	UNIPROT ID:	Q96HU8		
Isotype:	IgG	Full Name:	DIRAS family, GTP-binding RAS-like 2		
Immunogen Catalog Number:	AG7926	Calculated MW:	22 kDa		
		Observed MW:	22 kDa		

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

GTP-binding protein Di-Ras2 (DIRAS2) is a member of the Ras-related small G-protein family. DIRAS2 regulated the phosphorylation of downstream effector proteins and activated the RAS/mitogen-activated protein kinase (MAPK) signaling pathway (PMID: 3216131). DIRAS2 interacted with 26S proteasome non-ATPase regulatory subunit 2, which facilitates the degradation of DIRAS2 in a proteasome-mediated way. DIRAS2 blocked nuclear factor kappa light-chain enhancer of activated B-cell (NF- κ B) signaling pathways, inducing G0/G1 arrest. DIRAS2 inhibited CRC cell proliferation and affected cell-cycle protein expression (PMID: 35173535). DIRAS2 was proved to be an oncogene that activated the RAS-MAPK pathway to induce cell proliferation and metastasis in renal cell cancer (PMID: 3216131). DIRAS2 also shows its activity as a tumor-suppressor gene to induce autophagic cell death via modulating nuclear localization FOXO3/FOXO3A and TFEB (PMID: 29368982).

Storage

Storage:

Store at -80°C.

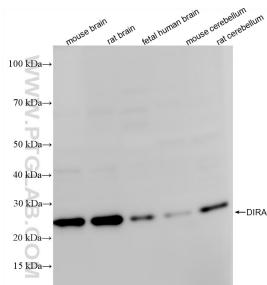
Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:
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in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86460-1-RR (DIRAS2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86460-1-PBS in a different storage buffer formulation.