

For Research Use Only

MIG6; ERRF1 Recombinant antibody

Catalog Number: 83475-2-RR



Basic Information

Catalog Number: 83475-2-RR	GenBank Accession Number: NM_018948	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 54206	CloneNo.: 240447C3
Source: Rabbit	UNIPROT ID: Q9UJM3	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: ERBB receptor feedback inhibitor 1	
Immunogen Catalog Number: AG33341	Calculated MW: 51kd	
	Observed MW: 51 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HCT 116 cells, HepG2
Species Specificity: human	

Background Information

ERRF1 (the product of mitogen-inducible gene 6, also known as MIG6) is an early response gene encoding a non-kinase scaffold adaptor protein induced by various stimuli such as hormones and stresses. ERRF1 is considered a negative regulator of EGFR because it can directly bind to EGFR, inhibit the catalytic activity of EGFR, and mediate EGFR lysosomal degradation. ERRF1 may play important roles in regulating stress response, maintaining homeostasis in tissues like joints or cardiac muscle, and functioning as a tumor suppressor.

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

*** 20ul sizes contain 0.1% BSA

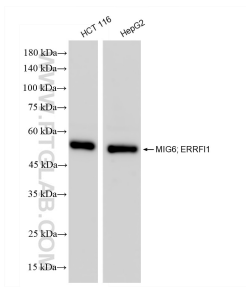
For technical support and original validation data for this product please contact:

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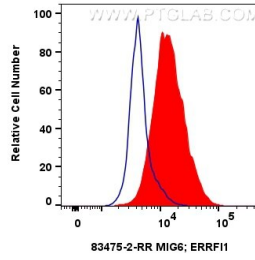
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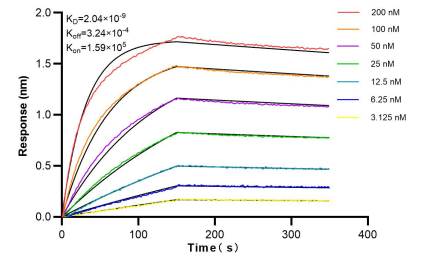
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83475-2-RR (MIG6; ERRF1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1×10^6 HepG2 cells were intracellularly stained with 0.25 μ g MIG6; ERRF1 Recombinant antibody (83475-2-RR, Clone:240447C3) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 μ g Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bioluminescence resonance energy transfer (BLI) kinetic assays of 83475-2-RR against Human MIG6; ERRF1 were performed. The affinity constant is 2.04 nM.