For Research Use Only

MIG6; ERRFI1 Recombinant antibody, PBS Only (Detector)

Catalog Number:83475-2-PBS

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Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
83475-2-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG33341

GenBank Accession Number:
NM_018948

GeneID (NCBI):
54206

UNIPROT ID:
Q9UJM3

Full Name:
ERBB receptor feedback inhibitor 1

Calculated MW:
51kd

Observed MW:
51 kDa

Purification Method:
Protein A purification

CloneNo.:
240447C3

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

83475-2-PBS targets MIG6; ERRFI1 as part of a matched antibody pair:

MP00464-3: 83475-1-PBS capture and 83475-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications.Antibody use should be optimized by the end user for each application and assay.

Background Information

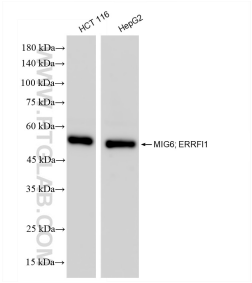
ERRFI1 (the product of mitogen-inducible gene 6, also known as MIG6) is an early response gene encoding a non-kinase scaffold adaptor protein induced by various stimuli such as hormones and stresses. ERRFI1 is considered a negative regulator of EGFR because it can directly bind to EGFR, inhibit the catalytic activity of EGFR, and mediate EGFR lysosomal degradation. ERRFI1 may play important roles in regulating stress response, maintaining homeostasis in tissues like joints or cardiac muscle, and functioning as a tumor suppressor.

Storage

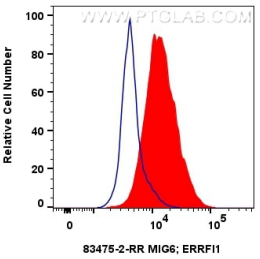
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

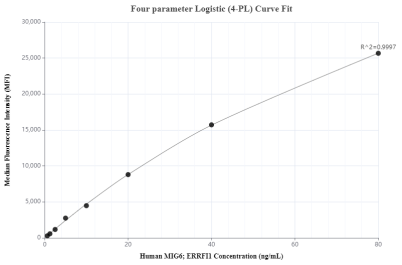
Selected Validation Data



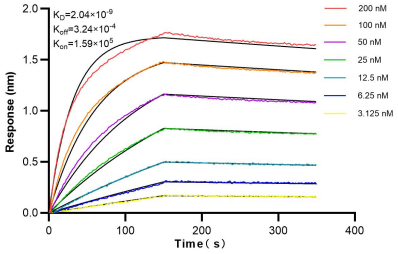
Various lysates were subjected to SDS PAGE followed by western blot with 83475-2-RR (MIG6; ERRFI1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83475-2-PBS in a different storage buffer formulation.



1x10^6 HepG2 cells were intracellularly stained with 0.25 ug MIG6; ERRFI1 Recombinant antibody (83475-2-RR, Clone:240447C3) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83475-2-



Cytometric bead array standard curve of MP00464-3, MIG6; ERRFI1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83475-1-PBS. Detection antibody: 83475-2-PBS. Standard: Ag33341. Range: 0.625-80 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 83475-2-RR against Human MIG6; ERRFI1 were performed. The affinity constant is 2.04 nM.