

For Research Use Only

RAE1 Recombinant antibody

Catalog Number: 83712-1-RR



Basic Information

Catalog Number:

83712-1-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12102

GenBank Accession Number:

BC103754

GeneID (NCBI):

8480

UNIPROT ID:

P78406

Full Name:

RAE1 RNA export 1 homolog (S. pombe)

Calculated MW:

368 aa, 41 kDa

Observed MW:

41 kDa

Purification Method:

Protein A purification

CloneNo.:

240861E12

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HepG2 cells, MCF-7 cells, HeLa cells, HEK-293 cells, BxPC-3 cells, mouse brain tissue, mouse thymus tissue

Background Information

RAE1 acts as a mRNA export factor involved in nucleocytoplasmic transport, it plays a role in mitotic bipolar spindle formation. (PMID: 33849972, MID: 17172455)

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:

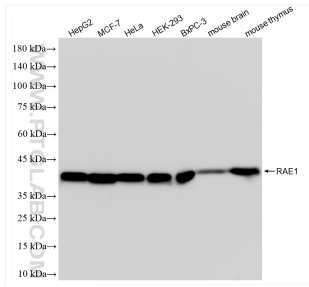
T: 4006900926

E: Proteintech-CN@ptglab.com

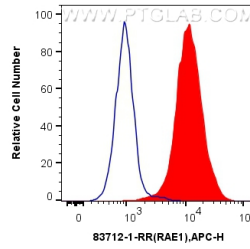
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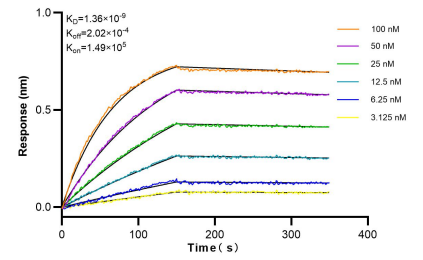
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83712-1-RR (RAE1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug RAE1 Recombinant antibody (83712-1-RR, Clone:240861E12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bioluminescence resonance energy transfer (BRET) kinetic assays of 83712-1-RR against Human RAE1 were performed. The affinity constant is 1.36 nM.