

For Research Use Only

AEG-1/MTDH Recombinant antibody

Catalog Number: 84686-4-RR



Basic Information

Catalog Number:

84686-4-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4840

GenBank Accession Number:

BC045642

GeneID (NCBI):

92140

UNIPROT ID:

Q86UE4

Full Name:

metadherin

Calculated MW:

582 aa, 64 kDa

Observed MW:

75 kDa

Purification Method:

Protein A purification

CloneNo.:

242110B5

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : A549 cells, HeLa cells, HL-60 cells, MCF-7 cells, HepG2 cells, U-937 cells

IF/ICC : MCF-7 cells,

Background Information

MTDH, also known as AEG-1, is a single-pass transmembrane protein with its gene located at chromosome 8q22, the abnormalities of which have been identified in several tumor types. MTDH is overexpressed in a number of malignancies, such as breast cancer, malignant glioma, and neuroblastoma, and its overexpression is associated with poor clinical outcome. MTDH plays an important role in the regulation of carcinogenesis and tumor progression.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

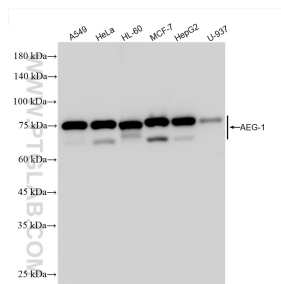
T: 4006900926

E: Proteintech-CN@ptglab.com

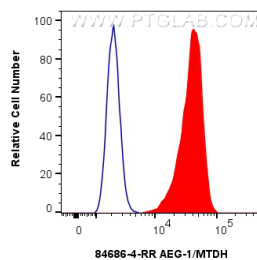
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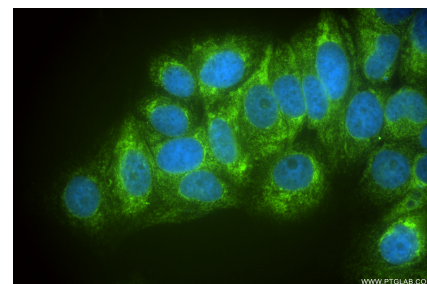
Selected Validation Data



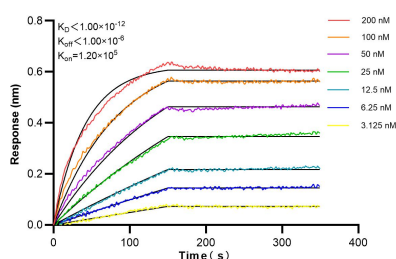
Various lysates were subjected to SDS PAGE followed by western blot with 84686-4-RR (AEG-1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1×10^6 A549 cells were intracellularly stained with 0.25 μ g AEG-1/MTDH Recombinant antibody (84686-4-RR, Clone: 242110B5) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 μ g Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using AEG-1 antibody (84686-4-RR, Clone: 242110B5) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84686-4-RR against Human AEG-1/MTDH were performed. The affinity constant is below 1 pM.