For Research Use Only

AEG-1/MTDH Recombinant antibody, PBS Only

Catalog Number:84686-4-PBS

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

Basic Information

Catalog Number:
84686-4-PBS

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

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 purfication

CloneNo.:
242110B5

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:
human

Background Information

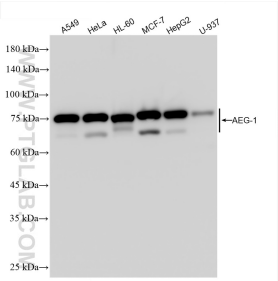
MTDH, also known as AEG-1, is a single-pass transmembrane protein with its gene located at chromosome 8q22 , the abnormalities of which have been identified in several tumor types. MTDH is overexpressed in a number of malignancies, such as breast cancer, malignant glioma, and neuroblastoma , and its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

Storage

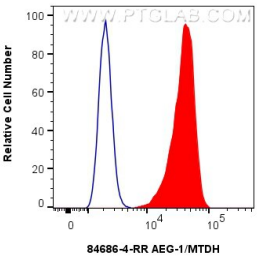
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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

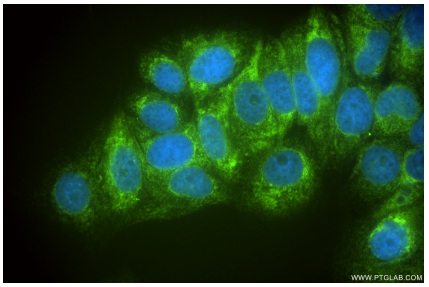
Selected Validation Data



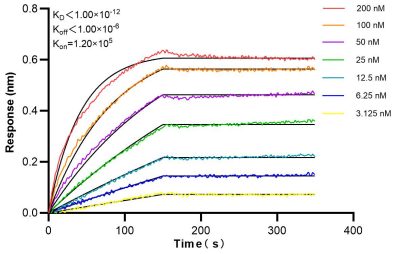
Various lysates were subjected to SDS PAGE followed by western blot with 84686-4-RR (AEG-1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84686-4-PBS in a different storage buffer formulation.



1x10^6 A549 cells were intracellularly stained with 0.25 ug 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 ug 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). This data was developed using the same antibody clone



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). This data was developed using the same antibody clone with 84686-4-PBS in a different storage buffer formulation.



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