

Rabbit anti AEG1(C-Term) Polyclonal Antibody Alternative Name(s): Metadherin; 3D3; AEG1; AEG-1; LYRIC; LYRIC/3D3

Order Information

- Description: AEG1(C-Term)
- Catalogue: 630-100
- Lot: See label
- Size: 100ug/200ul
- Host: Rabbit
- Clone: nan
- Application: IHC(P), WB
- Reactivity: Hu, Ms, Rt, Bv

ANTIGEN PREPARATION

A synthetic peptide derived from the c-term of human AEG1. This sequence is identical to human, mouse, rat and bovine.

BACKGROUND

AEG1 (Astrocyte elevated gene 1), also called Metadherin (MTDH), or L LYsine-RIch CEACAM1 co-isolated (LYRIC), is 582 aa single transmembrane domain (TMD) protein, this protein is widely expressed and highly conserved between species. It is not a structural component for tight junctional (TJ) complexes, it is recruited during the maturation of the tight junction complex and co-localizes with tight junction proteins ZO-1 and occludin in polarized epithelial cells. This novel protein is also reported as an HIV-1 inducible gene, which is expressed ubiquitously with higher expression in tissues containing muscular actin and its expression is increased in astrocytes infected with HIV-1 or treated with gp120 or tumor necrosis factor (TNF)-alpha. AEG1 expression is elevated in subsets of breast carcinomas, malignant gliomas and melanomas. AEG1 may affect tumor progression in multiple cell lineages by augmenting expression of the transformed phenotype and/or by inducing glutamate excitotoxicity in malignant glioma. In these contexts, an HIV-1-inducible gene, AEG-1, may contribute to multiple brain abnormalities and tumor formation, by both common and distinct mechanisms.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes ~64 kDa of human AEG1 protein. It also reacts with human, mouse and rat origins. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -200C to -700C. The antibodies can be stored at 20C-80C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 64.0
- Positive Control: Kidney Tissue

FOR RESEARCH USE ONLY.

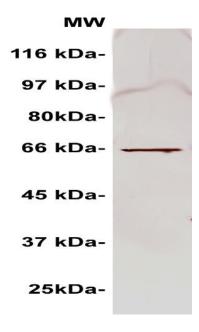
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Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.





Western Blot: The cell lysate derived from Hela was immuno-blotted by Rabbit anti AEG1 (Cat#630-100) at 1:500. An immunoreactive band around 64kDa is observed.

REFERENCES