

Product datasheet for **TA354927**

LYRIC (MTDH) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human, Mouse, Rat, Bovine
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide derived from the c-term of human AEG1. This sequence is identical to human, mouse, rat and bovine
Formulation:	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	64 kDa
Gene Name:	metadherin
Database Link:	NP_848927 Entrez Gene 67154 Mouse Entrez Gene 170910 Rat Entrez Gene 92140 Human Q86UE4



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Background:

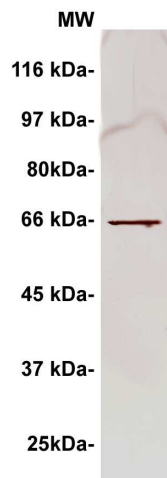
AEG1 (Astrocyte elevated gene 1), also called Metadherin (MTDH), or L Lysine-Rich CEACAM1 co-isolated (LYRIC), is 582 aa single transmembrane domain (TMD) protein, this protein is widely expressed and highly conserved between species. It is not a structural component for tight junctional (TJ) complexes, 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.

Synonyms:

3D3; AEG-1; AEG1; LYRIC

Protein Families:

Transmembrane

Product images:

WB: The cell lysate derived from HeLa was immuno-blotted by Rabbit anti-AEG1 at 1:500. An immunoreactive band around 64kDa is observed.