

LYRIC Antibody

Rabbit mAb Catalog # AP91617

Specification

LYRIC Antibody - Product Information

Application WB, IHC, ICC
Primary Accession Q86UE4
Reactivity Rat
Clonality Monoclonal

Other Names

3D3; 3D3/LYRIC; AEG1; Astrocyte elevated gene 1; LYRIC; LYRIC/3D3; Metadherin; MTDH; Protein

LYRIC;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 63837 Da

LYRIC Antibody - Additional Information

Dilution WB~~1:1000

IHC~~1:100~500

ICC~~N/A

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

LYRIC

Description Downregulates SLC1A2/EAAT2 promoter

activity when expressed ectopically.
Activates the nuclear factor kappa-B
(NF-kappa-B) transcription factor.

Promotes anchorage-independent growth

of immortalized melanocytes and astrocytes which is a key component in

tumor cell expansion.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline ,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

LYRIC Antibody - Protein Information

Name MTDH

Synonyms AEG1, LYRIC

Function

Down-regulates SLC1A2/EAAT2 promoter activity when expressed ectopically. Activates the nuclear factor kappa-B (NF-kappa-B) transcription factor. Promotes anchorage-independent growth



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of immortalized melanocytes and astrocytes which is a key component in tumor cell expansion. Promotes lung metastasis and also has an effect on bone and brain metastasis, possibly by enhancing the seeding of tumor cells to the target organ endothelium. Induces chemoresistance.

Cellular Location

Endoplasmic reticulum membrane; Single-pass membrane protein. Nucleus membrane; Single-pass membrane protein. Cell junction, tight junction Nucleus, nucleolus. Cytoplasm, perinuclear region Note=In epithelial cells, recruited to tight junctions (TJ) during the maturation of the TJ complexes. A nucleolar staining may be due to nuclear targeting of an isoform lacking the transmembrane domain (By similarity). TNF-alpha causes translocation from the cytoplasm to the nucleus.

Tissue Location

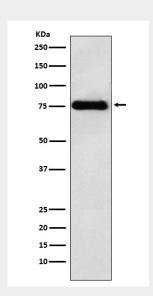
Widely expressed with highest levels in muscle- dominating organs such as skeletal muscle, heart, tongue and small intestine and in endocrine glands such as thyroid and adrenal gland Overexpressed in various cancers including breast, brain, prostate, melanoma and glioblastoma multiforme.

LYRIC Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LYRIC Antibody - Images



Western blot analysis of LYRIC expression in HeLa cell lysate.