

Anti-LYRIC/MTDH Antibody Picoband® Biotin Conjugated

Catalog Number: PB9338-Biotin

About MTDH

MTDH (Metadherin), also known as protein LYRIC or astrocyte elevated gene-1 protein (AEG-1) is a protein that in humans is encoded by the MTDH gene. AEG-1 is involved in HIF-1alpha mediated angiogenesis. AEG-1 also interacts with SND1 and involved in RNA-induced silencing complex (RISC) and plays very important role in RISC and miRNA functions. AEG-1 induces an oncogene called Late SV40 factor (LSF/TFCP2) which is involved in thymidylate synthase (TS) induction and DNA biosynthesis synthesis. Late SV40 factor (LSF/TFCP2) enhances angiogenesis by transcriptionally up-regulating matrix metalloproteinase-9 (MMP9). AEG-1 acts as an oncogene in melanoma, malignant glioma, breast cancer and hepatocellular carcinoma. It is highly expressed in these cancers and helps in progression and development of these cancers. It is induced by c-Myc oncogene and plays very important role in anchorage independent growth of cancer cells.

Overview

Product Name	Anti-LYRIC/MTDH Antibody Picoband® Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q86UE4

Technical Details

Immunogen	E.coli-derived human LYRIC recombinant protein (Position: D101-Q270). Human LYRIC shares 94% amino acid (aa) sequence identity with both mouse and rat LYRIC.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

1 Publications Citing This Product

1. PubMed ID: 10.1111/1440-1681.12767, Silencing of astrocyte elevated gene 21 inhibits proliferation and migration of melanoma cells and induces apoptosis

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