

Product Datasheet

LYRIC/AEG1 (2E4) Mouse mAb

Catalog No: AB3436

Reactivity: Human

Isotype: Mouse IgG1

Applications: WB,IHC,FC



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Information

UniProt ID: Q86UE4

All Names: 3D3; AEG1; LYRIC; MTDH

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 64kDa

Application

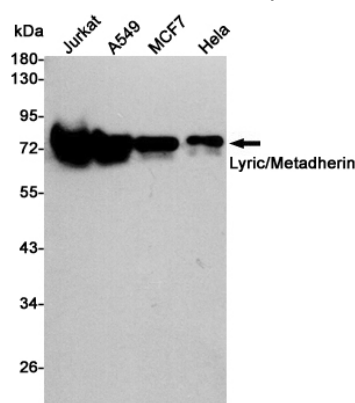
WB: 1/500-1/1000

IHC: 1/50-1/100

FC: 1/50-1/100

Background

Swiss-Prot Acc.Q86UE4.Metadherin (Metastasis adhesion protein), also known as MTDH, LYsine-Rich CEACAM1 co-isolated (LYRIC), is a novel protein that localizes with the tight junction proteins ZO-1 and occludin in polarized epithelial cells. At the tight junction, it acts not as a structural component, but is rather recruited during the maturation of the tight junction complex. Metadherin is overexpressed in breast cancer tissue and breast tumor xenografts, while much lower levels are expressed in normal breast tissue. Metadherin binds to lung vasculature, one of the four common sites of breast cancer metastasis, through a C-terminal segment in the extracellular domain; blocking this lung-homing domain with antibodies or inhibiting metadherin with siRNA has been reported to inhibit breast cancer metastasis.



Western blot detection of Lyric/Metadherin in Jurkat,A549,MCF7 and HeLa cell lysates using Lyric/Metadherin mouse mAb (1:5000 diluted).Predicted band size:64KDa.Observed band size:75KDa.

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