

Mouse anti-Human Metadherin Antibody | anti-MTDH antibody

Metadherin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108642	Mouse	Human	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Metadherin; Metadherin Antibody; 3D3; AEG1; LYRIC; anti-MTDH antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	2F11C3
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	582
Applicable Applications for anti-MTDH antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human Metadherin expressed in E. Coli.
Preparation and Storage	Store at 4°C, for long term storage, store at -20°C

IMAGES



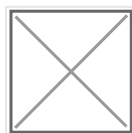
FCM/FACS (Flow Cytometry)

Figure 3. Flow cytometric analysis of HeLa cells using Metadherin mouse mAb (green) and negative control (purple).



IHC (Immunohistochemistry)

Figure 2. Immunohistochemical analysis of paraffin-embedded human Liver tissues using Metadherin mouse mAb



WB (Western Blot)

Figure 1. Western blot analysis using Metadherin mouse mAb against K562 (1), SKBR-3 (2), T47D (3), HeLa (4) and MCF-7 (5) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-MTDH antibody

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.

Product Categories/Family for anti-MTDH antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
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NCBI AND UNIPROT INFORMATION

NCBI GI #	223555917
NCBI GeneID	92140
NCBI Accession #	NP_848927.2
NCBI GenBank Nucleotide #	NM_178812.4
UniProt Accession #	Q86UE4; Q05DH2; Q52QU9; Q6PK07; Q8TCX3
Molecular Weight	64kDa
NCBI Official Full Name	protein LYRIC isoform 1
NCBI Official Synonym Full Names	metadherin
NCBI Official Symbol	MTDH
NCBI Official Synonym Symbols	3D3; AEG1; AEG-1; LYRIC; LYRIC/3D3
NCBI Protein Information	protein LYRIC
UniProt Protein Name	Protein LYRIC
UniProt Gene Name	MTDH
UniProt Synonym Gene Names	AEG1; LYRIC; AEG-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-mtdh-human-antibody/metadherin/108642>