Product Name: **Metadherin Mouse Monoclonal Antibody**
Catalog #: **AMM80784**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	64kDa

Antigen Information

Gene Name	Metadherin
Alternative Names	3D3; AEG1; LYRIC; MTDH
Gene ID	92140.0
SwissProt ID	Q86UE4
Immunogen	Purified recombinant fragment of human Metadherin expressed in E. Coli.

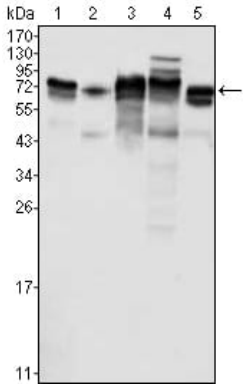
Background

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

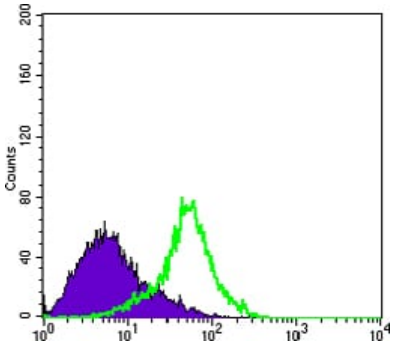
in breast cancer tissue and breast tumor xenografts, while much lower levels are expressed in normal breast tissue. Metadherin binds to lung vasculature, one of the four common sites of breast cancer metastasis, through a C-terminal segment in the extracellular domain; blocking this lung-homing domain with antibodies or inhibiting metadherin with siRNA has been reported to inhibit breast cancer metastasis.

Research Area

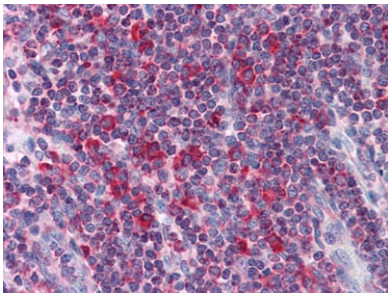
Image Data



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



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



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