Datasheet for ABIN2854801

anti-MTDH antibody

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Overview

Quantity:	100 µL
Target:	MTDH
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MTDH antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human LYRIC . The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit polyclonal antibody to LYRIC (metadherin) LYRIC antibody [N2C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	MTDH
Alternative Name:	metadherin (MTDH Products)

Target Details

Background:	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. 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 Localization: Endoplasmic reticulum membrane, Single-pass membrane protein , Nucleus membrane, Single-pass membrane protein (By similarity) , Cell junction , tight junction (By similarity) , Nucleus , nucleolus (By similarity) , Cytoplasm , perinuclear region
Molecular Weight:	64 kDa
Gene ID:	92140
UniProt:	Q86UE4
Pathways:	Cellular Response to Molecule of Bacterial Origin, Cell-Cell Junction Organization

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: rat brain
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.69 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

Handling

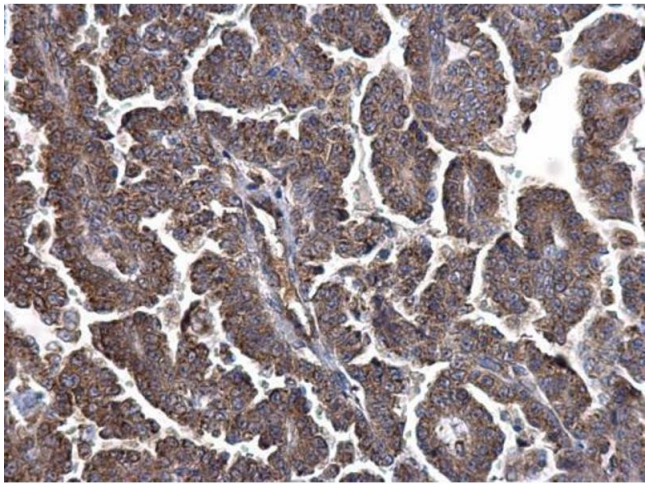
multiple freeze-thaw cycles.

Publications

Product cited in:

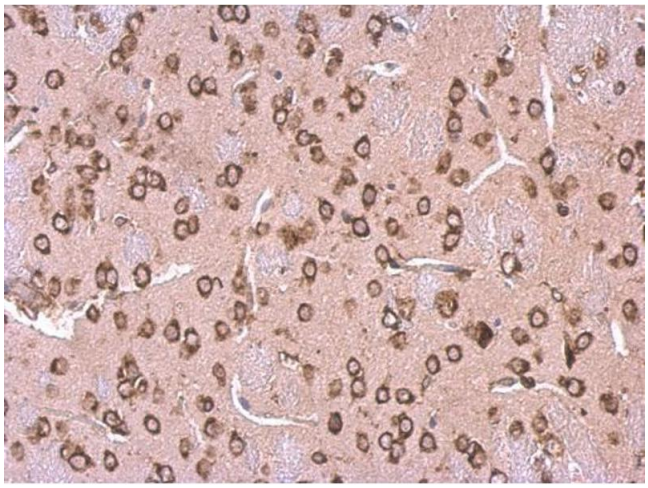
Qi, Liu, Zhang, Guo: "Platelets induce increased estrogen production through NF-κB and TGF-β1 signaling pathways in endometriotic stromal cells." in: **Scientific reports**, Vol. 10, Issue 1, pp. 1281, (2020) (PubMed).

Validation report #104342 for Multiplex Immunohistochemistry (mIHC)



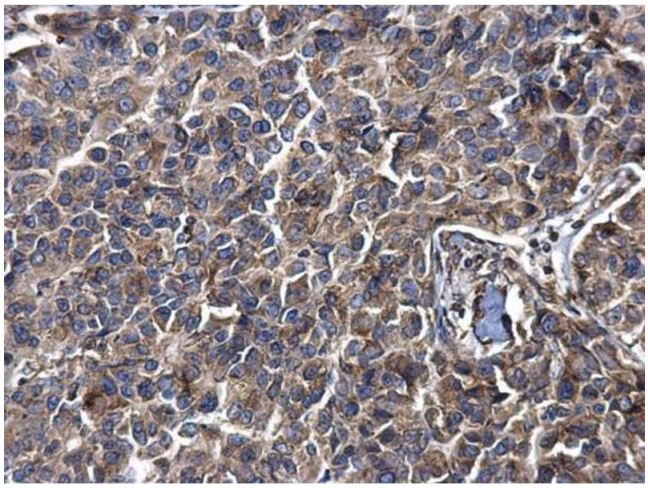
Immunohistochemistry

Image 1. IHC-P Image LYRIC antibody [N2C3] detects LYRIC protein at cytosol on human endometrial carcinoma by immunohistochemical analysis. Sample: Paraffin-embedded human endometrial carcinoma. LYRIC antibody [N2C3] , dilution: 1:500.



Immunohistochemistry

Image 2. IHC-P Image LYRIC antibody [N2C3] detects LYRIC protein at cytosol on mouse fore brain by immunohistochemical analysis. Sample: Paraffin-embedded mouse fore brain. LYRIC antibody [N2C3] , dilution: 1:500.



Immunohistochemistry

Image 3. IHC-P Image LYRIC antibody [N2C3] detects LYRIC protein at cytosol on human breast carcinoma by immunohistochemical analysis. Sample: Paraffin-embedded human breast carcinoma. LYRIC antibody [N2C3] , dilution: 1:500.

Please check the product details page for more images. Overall 6 images are available for ABIN2854801.