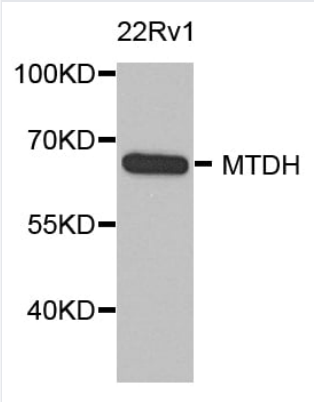
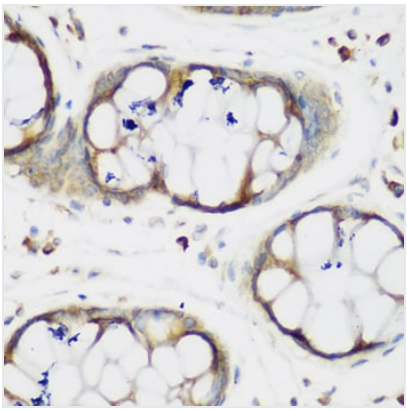
MTDH Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

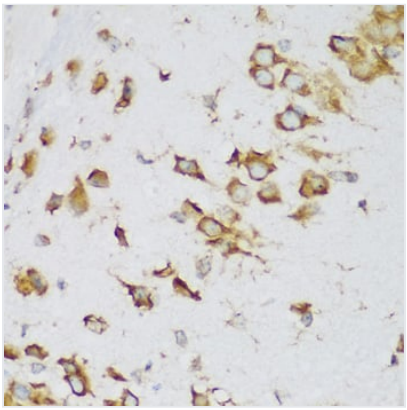
Product Name	MTDH, Polyclonal Antibody
Full Product Name	MTDH Polyclonal Antibody
Product Gene Name	anti-MTDH antibody
Product Synonym Names	3D3; AEG1; AEG-1; LYRIC; LYRIC/3D3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	63kDa
OMIM	AF501310 mRNA
Immunogen	Recombinant protein of human MTDH
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MTDH antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-MTDH antibody	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200
Related Product Information for anti-MTDH antibody	MBS2541080 is an antibody targeting MTDH. Also known as MTDH Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-MTDH antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-MTDH antibody
Western blot analysis of extract of various cells, using MTDH antibody.



Immunohistochemistry (IHC) of anti-MTDH antibody
Immunohistochemistry of paraffin-embedded human gastric using MTDH antibody at dilution of 1:200 (40x lens).



Immunohistochemistry (IHC) of anti-MTDH antibody
Immunohistochemistry of paraffin-embedded mouse brain using MTDH antibody at dilution of 1:200 (40x lens).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MTDH. It may not necessarily be applicable to this product.

NCBI GI #	116283472
NCBI GeneID	92140
UniProt Secondary Accession #	Q05DH2; Q52QU9; Q6PK07; Q8TCX3
UniProt Related Accession #	Q86UE4
NCBI Official Full Name	MTDH protein, partial
NCBI Official Synonym Full Names	metadherin
NCBI Official Symbol	MTDH
NCBI Official Synonym Symbols	3D3; AEG1; AEG-1; LYRIC; LYRIC/3D3
UniProt Protein Name	Protein LYRIC
UniProt Synonym Protein Names	3D3/LYRIC; Astrocyte elevated gene-1 protein; AEG-1; Lysine-rich CEACAM1 co-isolated protein; Metadherin; Metastasis adhesion protein
Protein Family	Protein LYRIC
UniProt Gene Name	MTDH
UniProt Synonym Gene Names	AEG1; LYRIC; AEG-1

UniProt Entry Name	LYRIC_HUMAN
NCBI Protein Information	protein LYRIC
UniProt Comments for MTDH	Lyric: a protein of unknown function. Protein type: Cell adhesion; Membrane protein, integral; Nucleolus Chromosomal Location of Human Ortholog: 8q22.1 Cellular Component: apical plasma membrane; cytoplasm; endoplasmic reticulum; endoplasmic reticulum membrane; intercellular canaliculus; nuclear body; nucleolus; nucleus; perinuclear region of cytoplasm; tight junction Molecular Function: double-stranded RNA binding; NF-kappaB binding; protein binding; transcription coactivator activity Biological Process: activation of NF-kappaB transcription factor; lipopolysaccharide-mediated signaling pathway; negative regulation of apoptosis; negative regulation of transcription from RNA polymerase II promoter; positive regulation of angiogenesis; positive regulation of autophagy; positive regulation of I-kappaB kinase/NF-kappaB cascade; positive regulation of protein kinase B signaling cascade
Research Articles on MTDH	**1.** MiR-136 plays a key role in temozolomide (TMZ) resistance by targeting AEG-1 in glioma cell line, suggesting that miR-136 can be used to predict a patient's response to TMZ therapy as well as serve as a novel potential maker for glioma therapy.
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