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anti-MTDH antibody (AA 131-230)





Publications



Overview

Quantity:	100 μL
Target:	MTDH
Binding Specificity:	AA 131-230
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MTDH antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffinembedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human AEG-1
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Pig
Purification:	Purified by Protein A.

Target Details

Target: MTDH

Target Details

Alternative Name:	LYRIC (MTDH Products)
Background:	Synonyms: 3D3, AEG1, AEG-1, LYRIC, LYRIC/3D3, Protein LYRIC, 3D3/LYRIC, Astrocyte elevated gene-1 protein, Lysine-rich CEACAM1 co-isolated protein, Metadherin, Metastasis adhesion protein, MTDH
	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.
Gene ID:	92140
UniProt:	Q86UE4
Pathways:	Cellular Response to Molecule of Bacterial Origin, Cell-Cell Junction Organization
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:

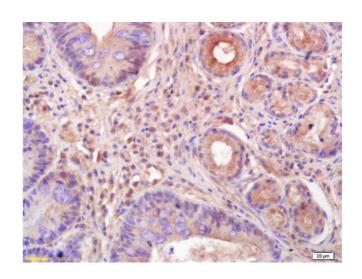
Zhang, Li, Qian, Liu, Guo, Lin: "MTDH/AEG-1-based DNA vaccine suppresses metastasis and enhances chemosensitivity to paclitaxel in pelvic lymph node metastasis." in: **Biomedicine & pharmacotherapy**, Vol. 70, pp. 217-26, (2015) (PubMed).

Guo, Zhang, Liu, Wang, Liu, Wang, Ma, Wu: "Astrocyte elevated gene-1 overexpression in histologically favorable Wilms tumor is related to poor prognosis." in: **Journal of pediatric urology**, Vol. 10, Issue 2, pp. 317-23, (2014) (PubMed).

Zheng, Li, Wu, Liu, Sun, Yang, Hao, Sheng, Sun, Zhang, Long, Liang, Hu et al.: "Astrocyte elevated gene-1 (AEG-1) shRNA sensitizes Huaier polysaccharide (HP)-induced anti-metastatic potency via inactivating downstream P13K/Akt pathway as well as augmenting cell-mediated immune ... " in: **Tumour biology**, Vol. 35, Issue 5, pp. 4219-24, (2014) (PubMed).

Guo, Chen, Xi, Chang, Zhang, Zhang: "AEG-1 expression correlates with CD133 and PPP6c levels in human glioma tissues." in: **Journal of biomedical research**, Vol. 28, Issue 5, pp. 388-95, (2014) (PubMed).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human gastric carcinoma labeled with Anti-AEG-1/LYRIC Polyclonal Antibody, Unconjugated (ABIN678863) at 1:200 followed by conjugation to the secondary antibody and DAB staining.