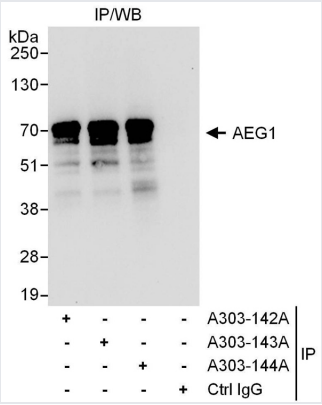
AEG1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AEG1, Polyclonal Antibody
Full Product Name	Rabbit anti-AEG1 Antibody, Affinity Purified
Product Gene Name	anti-AEG1 antibody
Product Synonym Gene Name	MTDH
Product Synonym Names	astrocyte elevated gene-1 protein; protein LYRIC; metastasis adhesion protein; Metadherin; lysine-rich CEACAM1 co-isolated protein; LYRIC; AEG-1; AEG1; 3D3/LYRIC; 3D3; astrocyte elevated gene 1; LYRIC/3D3; Protein LYRIC; metadherin
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	1000ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
Molecular Weight	63,837 Da
OMIM	610323
3D Structure	ModBase 3D Structure for Q86UE4
Predicted Reactivity	Mouse
Immunogen	Between 75 and 125
Conjugation	Unconjugated
Product Categories/Family for anti-AEG1 antibody	Primary Antibodies
Applications Tested/Suitable for anti-AEG1 antibody	Immunoprecipitation (IP)
Application Notes for anti-AEG1 antibody	IP: 6ug/mg lysate
Related Product Information for anti-AEG1 antibody	Astrocyte elevated gene-1 protein (AEG1) is also known as metadherin. AEG1 AEG1 promotes anchorage-independent growth of immortalized melanocytes and astrocytes which is a key component in tumor cell expansion. It also promotes lung metastasis and has an effect on bone and brain metastasis, possibly by enhancing the seeding of tumor cells to the target organ endothelium. AEG1 induces chemoresistance.
Other Notes	Small volumes of anti-AEG1 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.
Searchable Terms for AEG1 purchase	MBS3903435 is an antibody targeting AEG1. Also known as Rabbit anti-AEG1 Antibody, Affinity Purified. Reactive in Human. Host: Rabbit.



Immunoprecipitation (IP) of anti-AEG1 antibody
Detection of human AEG1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-AEG1 antibody MBS3903435 used for IP at 6 ug/mg lysate. AEG1 was also immunoprecipitated by rabbit anti-AEG1 antibodies MBS3903436 and MBS3903437, which recognize downstream epitopes. For blotting immunoprecipitated AEG1, MBS3903437 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AEG1. It may not necessarily be applicable to this product.

NCBI GI #	223555917
NCBI GeneID	92140
NCBI Accession #	NP_848927.2
UniProt Primary Accession #	Q86UE4
UniProt Secondary Accession #	Q05DH2; Q52QU9; Q6PK07; Q8TCX3
UniProt Related Accession #	Q86UE4
GenBank Nucleotide #	NM_178812.3
NCBI Official Full Name	protein LYRIC
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
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 AEG1	Lyric: a protein of unknown function. Protein type: Cell adhesion; Nucleolus; Membrane protein, integral Chromosomal Location of Human Ortholog: 8q22.1 Cellular Component: apical plasma membrane; cytoplasm; endoplasmic reticulum; endoplasmic reticulum membrane; integral to membrane; intercellular canaliculus; nuclear body; nuclear membrane; 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 AEG1	**1.** EFEMP1 might indirectly enhance the expression of MMP-2, providing a potential explanation for the role of AEG-1 in metastasis. NF-kappaB pathways might be one of the effective ways which EFEMP1 was induced by AEG-1.
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