

Rabbit anti-Human ETHE1 Monoclonal Antibody | anti-ETHE1 antibody

Recombinant Anti-ETHE1 Antibody, Rabbit Monoclonal

CATALOG # AAA255786	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, ELISA, Western Blot
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PRODUCT SYNONYMS

ETHE1; Monoclonal Antibody; Recombinant Anti-ETHE1 Antibody; Rabbit Monoclonal; ETHE1/HSCO Antibody; Rabbit MAb; ethylmalonic encephalopathy 1; Anti-HSCO Antibody; Anti-YF13H12 Antibody; anti-ETHE1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	001
Specificity	Human ETHE1/HSCO
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ETHE1 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human ETHE1/HSCO Protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human ETHE1/HSCO (rh ETHE1/HSCO).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

ETHE1 was immunoprecipitated using: Lane A: 0.5 mg Hela Whole Cell Lysate; Lane B: 0.5 mg Jurkat Whole Cell Lysate; 2 uL anti-ETHE1 rabbit monoclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-ETHE1 rabbit monoclonal antibody, at 1:100 dilution. Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 28 kDa. Observed band size: 28 kDa.



WB (Western Blot)

Anti-ETHE1 rabbit monoclonal antibody at 1:500 dilution. Lane A: HepG2 Whole Cell Lysate; Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG H&L (DyLight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 28 kDa. Observed band size: 28 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ETHE1 antibody	ETHE1, also known as HSCO, is a sulfur dioxygenase that localizes within the mitochondrial matrix. ETHE1 probably plays an important role in metabolic homeostasis in mitochondria. It may also function as a nuclear-cytoplasmic shuttling protein that binds transcription factor RELA/NFKB3 in the nucleus and exports it to the cytoplasm. ETHE1 can suppresses p53-induced apoptosis by preventing nuclear localization of RELA. Mutations in ETHE1 gene result in ethylmalonic encephalopathy. Ethylmalonic encephalopathy is an autosomal recessive, invariably fatal disorder characterized by early-onset encephalopathy, microangiopathy, chronic diarrhea, defective cytochrome c oxidase (COX) in muscle and brain, high concentrations of C4 and C5 acylcarnitines in blood and high excretion of ethylmalonic acid in urine.
References	Higashitsuji. et al., 2002, Cancer Cell. 2 (4): 335-46. McCoy JG. et al., 2007, Acta Crystallogr D Biol Crystallogr. 62 (9): 964-70. Mehrle A. et al., 2006, Nucleic Acids Res. 34: D415-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41327741
NCBI GeneID	23474
NCBI Accession #	NP_055112.2
NCBI GenBank Nucleotide #	NM_014297.3
UniProt Accession #	O95571; Q96HR0; Q9H001
Molecular Weight	27,873 Da
NCBI Official Full Name	persulfide dioxygenase ETHE1, mitochondrial
NCBI Official Synonym Full Names	ethylmalonic encephalopathy 1
NCBI Official Symbol	ETHE1
NCBI Official Synonym Symbols	HSCO; YF13H12
NCBI Protein Information	persulfide dioxygenase ETHE1, mitochondrial; ethylmalonic encephalopathy protein 1; hepatoma subtracted clone one protein; protein ETHE1, mitochondrial; sulfur dioxygenase ETHE1
UniProt Protein Name	Persulfide dioxygenase ETHE1, mitochondrial
UniProt Gene Name	ETHE1
UniProt Synonym Gene Names	HSCO
UniProt Entry Name	ETHE1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.