

Rabbit anti-Human, mouse ETHE1 Polyclonal Antibody | anti-ETHE1 antibody

ETHE1 Antibody

CATALOG # AAA230476	HOST Rabbit	REACTIVITY Human, mouse	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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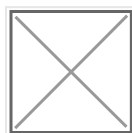
PRODUCT SYNONYMS

ETHE1; Polyclonal Antibody; ETHE1 Antibody; Persulfide dioxygenase ETHE1; mitochondrial (EC:1.13.11.182 Publications; HSCO; Ethylmalonic encephalopathy protein 1; Hepatoma subtracted clone one protein; Sulfur dioxygenase ETHE1; anti-ETHE1 antibody

PRODUCT SPECIFICATIONS

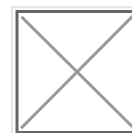
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Liquid
Sequence Length	254
Applicable Applications for anti-ETHE1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Persulfide dioxygenase ETHE1, mitochondrial protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-161566
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon cancer using AAA230476 at dilution of 1:100



WB (Western Blot)

Western blotAll lanes: ETHE1 antibody at 8ug/mL Lane 1: Mouse liver tissue Lane 2: HepG-2 whole cell lysate Lane 3: Hela whole cell lysate Secondary Goat polyclonal to Rabbit IgG at 1/10000 dilution Predicted band size: 28 kDa Observed band size: 28 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ETHE1 antibody	Sulfur dioxygenase that plays an essential role in hydrogen sulfide catabolism in the mitochondrial matrix. Hydrogen sulfide (H(2)S) is first oxidized by SQRDL, giving rise to cysteine persulfide residues. ETHE1 consumes molecular oxygen to catalyze the oxidation of the persulfide, once it has been transferred to a thiophilic acceptor, such as glutathione (R-SSH). Plays an important role in metabolic homeostasis in mitochondria by metabolizing hydrogen sulfide and preventing the accumulation of supraphysiological H(2)S levels that have toxic effects, due to the inhibition of cytochrome c oxidase. First described as a protein that can shuttle between the nucleus and the cytoplasm and suppress p53-induced apoptosis by sequestering the transcription factor RELA/NFKB3 in the cytoplasm and preventing its accumulation in the nucleus (PubMed:12398897).
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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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ethe1-antibody-immunohistochemistry-western-blot-elisa/230476>