

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

ETHE1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289401	Rabbit	Human, mouse	Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

ETHE1; Polyclonal Antibody; ETHE1 Antibody (Center); Persulfide dioxygenase ETHE1; mitochondrial; Ethylmalonic encephalopathy protein 1; Hepatoma subtracted clone one protein; Sulfur dioxygenase ETHE1; HSCO; anti-ETHE1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ETHE1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 103-130 amino acids from the Central region of human ETHE1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	103-130
Sequence Length	254
Applicable Applications for anti-ETHE1 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of ETHE1 (arrow) using rabbit polyclonal ETHE1 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the ETHE1 gene.



IHC (Immunohistochemistry)

ETHE1 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ETHE1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

**FCM/FACS (Flow Cytometry)**

Flow cytometric analysis of 293 cells using ETHE1 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

**WB (Western Blot)**

Western blot analysis of ETHE1 antibody (Center) in mouse kidney tissue lysates (35ug/lane). ETHE1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ETHE1 antibody	ETHE1 is a sulfur dioxygenase that localizes within the mitochondrial matrix. The enzyme functions in sulfide catabolism. Mutations in its gene result in ethylmalonic encephalopathy.
Product Categories/Family for anti-ETHE1 antibody	Cell Biology ; Metabolism ; Signal transduction
References	Tiranti,V., Nat. Med. 15 (2), 200-205 (2009) Mineri,R., J. Med. Genet. 45 (7), 473-478 (2008)

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	27873
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-flow-cytometry-western-blot-elisa/289401>