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Datasheet for ABIN7163018

**anti-ETHE1 antibody (AA 8-254) (Biotin)**

## Overview

Quantity:	100 µg
Target:	ETHE1
Binding Specificity:	AA 8-254
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ETHE1 antibody is conjugated to Biotin
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Persulfide dioxygenase ETHE1, mitochondrial protein (8-254AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	ETHE1
Alternative Name:	ETHE1 ( <a href="#">ETHE1 Products</a> )
Background:	Background: Sulfur dioxygenase that plays an essential role in hydrogen sulfide catabolism in the mitochondrial matrix. Hydrogen sulfide (H <sub>2</sub> S) is first oxidized by SQRDL, giving rise to

## Target Details

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<sub>2</sub>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/NFκB3 in the cytoplasm and preventing its accumulation in the nucleus (PubMed:12398897).

Aliases: Ethe1 antibody, ETHE1 protein, mitochondrial precursor antibody, ETHE1\_HUMAN antibody, ethylmalonic encephalopathy 1 antibody, Ethylmalonic encephalopathy protein 1 antibody, hepatoma subtracted clone one antibody, Hepatoma subtracted clone one protein antibody, HSCO antibody, mitochondrial antibody, Protein ETHE1 antibody, Protein ETHE1 mitochondrial antibody, YF13H12 antibody

UniProt: [O95571](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.