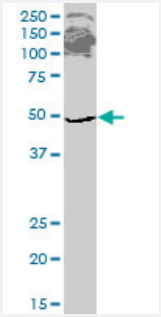
ETF1 monoclonal antibody (M02), clone 2H4

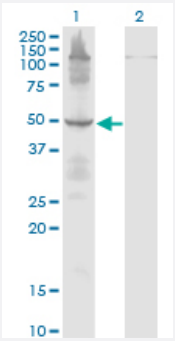
Catalog # H00002107-M02 Size 100 ug

Applications



Western Blot (Cell lysate)

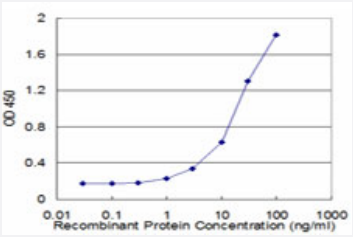
ETF1 monoclonal antibody (M02), clone 2H4. Western Blot analysis of ETF1 expression in HepG2 (Cat # L019V1).



Western Blot (Transfected lysate)

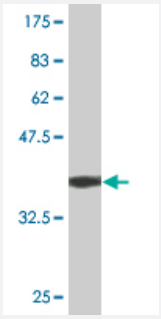
Western Blot analysis of ETF1 expression in transfected 293T cell line by ETF1 monoclonal antibody (M02), clone 2H4.

Lane 1: ETF1 transfected lysate (Predicted MW: 49 KDa).
Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ETF1 is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ETF1.
Immunogen	ETF1 (NP_004721.1, 338 a.a. ~ 437 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	TEEEKILYLTPEQEKDKSHFTDKETGQEHELIESMPLLEWFANNYKKFGATLEIVTDKSQEGSQFV KGFGGIGGILRYRVDFQGMEYQGGDDEFFDLDDY
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  ETF1 monoclonal antibody (M02), clone 2H4. Western Blot analysis of ETF1 expression in HepG2 (Cat # L019V1).

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of ETF1 expression in transfected 293T cell line by ETF1 monoclonal antibody (M02), clone 2H4.

  Lane 1: ETF1 transfected lysate (Predicted MW: 49 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged ETF1 is approximately 1ng/ml as a capture antibody.

  Protocol Download

- ELISA

Gene Info — ETF1

Entrez GeneID	2107
GeneBank Accession#	NM_004730
Protein Accession#	NP_004721.1
Gene Name	ETF1
Gene Alias	D5S1995, ERF, ERF1, MGC111066, RF1, SUP45L1, TB3-1
Gene Description	eukaryotic translation termination factor 1
Omim ID	600285
Gene Ontology	Hyperlink

Gene Summary	Termination of protein biosynthesis and release of the nascent polypeptide chain are signaled by the presence of an in-frame stop codon at the aminoacyl site of the ribosome. The process of tran slation termination is universal and is mediated by protein release factors (RFs) and GTP. A class 1 RF recognizes the stop codon and promotes the hydrolysis of the ester bond linking the polypep tide chain with the peptidyl site tRNA, a reaction catalyzed at the peptidyl transferase center of the ribosome. Class 2 RFs, which are not codon specific and do not recognize codons, stimulate clas s 1 RF activity and confer GTP dependency upon the process. In prokaryotes, both class 1 RFs, R F1 and RF2, recognize UAA; however, UAG and UGA are decoded specifically by RF1 and RF2, respectively. In eukaryotes, eRF1, or ETF1, the functional counterpart of RF1 and RF2, functions a s an omnipotent RF, decoding all 3 stop codons (Frolova et al., 1994 [PubMed 7990965]).[suppli ed by OMIM
Other Designations	polypeptide chain release factor 1|sup45 (yeast omnipotent suppressor 45) homolog-like 1

Disease

- Disease Progression
- Disease Susceptibility
- HIV Infections