

## ETF1 Polyclonal Antibody

Catalog number: 10884-1-AP

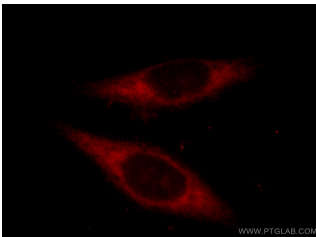
Size: 23 µg/150 µl

Source: Rabbit

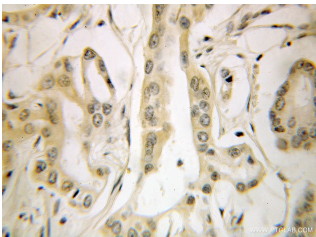
Isotype: IgG

Synonyms:

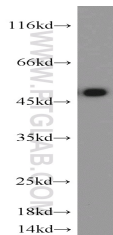
ETF1; D5S1995, ERF, ERF1,  
ETF1, Eukaryotic release factor  
1, Protein Cl1, RF1, SUP45L1,  
TB3 1



Immunofluorescent analysis of Hela cells, using ETF1 antibody 10884-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical of paraffin-embedded human pancreas cancer using 10884-1-AP(ETF1 antibody) at dilution of 1:100 (under 40x lens)



HEK-293 cells were subjected to SDS PAGE followed by western blot with 10884-1-AP(ETF1 antibody) at dilution of 1:800

### Background

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, which 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 polypeptide 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 class 1 RF activity and confer GTP dependency upon the process. In eukaryotes a single class-1 translation termination factor eRF1 decodes the three stop codons: UAA, UAG and UGA. [PMID:7990965,20860996]

### Applications

Tested applications:	ELISA, WB, IHC, IF
Species specificity:	Human, Mouse; other species not tested.
Calculated ETF1 MW:	48kd
Observed ETF1 MW:	45-48kd
Positive WB detected in	HEK-293 cells, mouse kidney tissue, mouse testis tissue
Positive IHC detected in	Human pancreas cancer tissue, human testis tissue
Positive IF detected in	Hela cells
Recommended dilution:	WB: 1:200-1:2000
	IHC: 1:20-1:200
	IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1330
GenBank accession number:	BC014269
Gene ID (NCBI):	2107
Full name:	Eukaryotic translation termination factor 1

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.