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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54738_P050-HRP
Product Page	www.avivasysbio.com/etf1-antibody-n-terminal-region-hrp-arp54738-p050-hrp.html
Name	ETF1 Antibody - N-terminal region : HRP (ARP54738_P050-HRP)
Protein Size (# AA)	437 amino acids
Molecular Weight	49kDa
Subunit	1
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	2107
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Eukaryotic translation termination factor 1
Alias Symbols	ERF, RF1, ERF1, TB3-1, D5S1995, SUP45L1
Peptide Sequence	Synthetic peptide located within the following region: ISLIIPPKDQISRVAKMLADEFGTASNISRVNRLSVLGAITSVQQRLKL
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Description of Target	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 translation 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 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 prokaryotes, both class 1 RFs, RF1 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 as an omnipotent RF, decoding all 3 stop codons (Frolova et al., 1994 [PubMed 7990965]).
Protein Interactions	KEAP1; UBC; RTF1; NUDC; VPS26A; TSN; CORO1C; CORO1B; HECW2; ALB; UPF1; LIG4; GSPT1; PPP2CA; GSPT2; PABPC1;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-ETF1 (ARP54738_P050-HRP) antibody
Blocking Peptide	For anti-ETF1 (ARP54738_P050-HRP) antibody is Catalog # AAP54738 (Previous Catalog # AAPP31533)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ETF1
Uniprot ID	P62495
Protein Name	Eukaryotic peptide chain release factor subunit 1
Protein Accession #	NP_004721
Purification	Affinity Purified
Nucleotide Accession #	NM_004730
Gene Symbol	ETF1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Yeast, Zebrafish
Application	WB, IHC

Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 93%; Zebrafish: 100%
Image 1	 A schematic diagram of an antibody molecule, represented as a Y-shape. It consists of two heavy chains (the inner vertical lines) and two light chains (the outer diagonal lines), all connected at their base. The two arms of the Y extend upwards and outwards, representing the antigen-binding sites.

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

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