


Product datasheet

Anti-EF-Ts antibody [EPR12034] ab173528

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [1 References](#) [4 Images](#)

Overview

Product name	Anti-EF-Ts antibody [EPR12034]
Description	Rabbit monoclonal [EPR12034] to EF-Ts
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IP Unsuitable for: Flow Cyt or IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human EF-Ts aa 1-100 (Cysteine residue). The exact sequence is proprietary. Database link: P43897
Positive control	HeLa, Jurkat, 293T and HepG2 cell lysates. HeLa cells. Immunoprecipitation pellet from 293T cell lysate.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR12034
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab173528 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	1/10000 - 1/50000. Predicted molecular weight: 35 kDa.
ICC/IF		1/50 - 1/100.
IP		1/10 - 1/100.

Application notes Is unsuitable for Flow Cyt or IHC-P.

Target

Function Associates with the EF-Tu.GDP complex and induces the exchange of GDP to GTP. It remains bound to the aminoacyl-tRNA.EF-Tu.GTP complex up to the GTP hydrolysis stage on the ribosome.

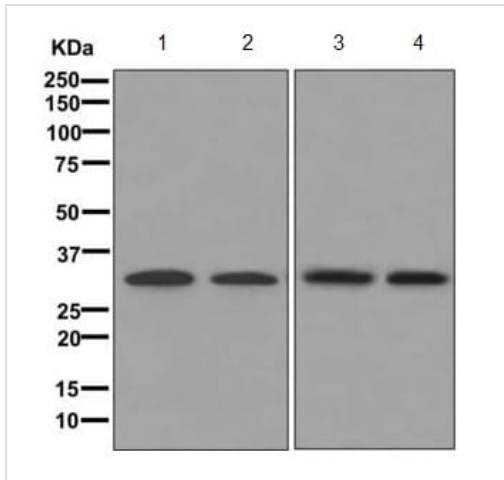
Tissue specificity Expressed in all tissues, with the highest levels of expression in skeletal muscle, liver and kidney.

Involvement in disease Defects in TSM are the cause of combined oxidative phosphorylation deficiency type 3 (COXPD3) [MIM:610505]. Defects in the mitochondrial oxidative phosphorylation system result in devastating, mainly multisystem, diseases. COXPD3 symptoms include severe metabolic acidosis with encephalomyopathy or with hypertrophic cardiomyopathy. Patients show a severe defect in mitochondrial translation leading to a failure to assemble adequate amounts of three of the oxidative phosphorylation complexes.

Sequence similarities Belongs to the EF-Ts family.

Cellular localization Mitochondrion.

Images



Western blot - Anti-EF-Ts antibody [EPR12034] (ab173528)

All lanes : Anti-EF-Ts antibody [EPR12034] (ab173528) at 1/10000 dilution

Lane 1 : HeLa cell lysate

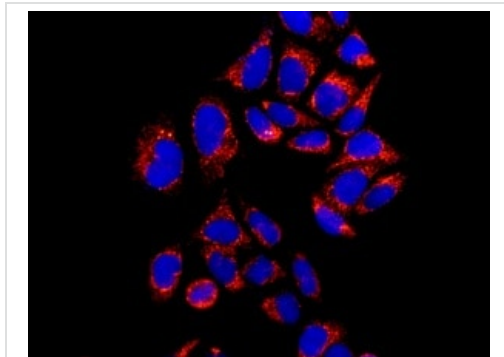
Lane 2 : Jurkat cell lysate

Lane 3 : 293T (Human embryonic kidney epithelial cell) cell lysate

Lane 4 : HepG2 cell lysate

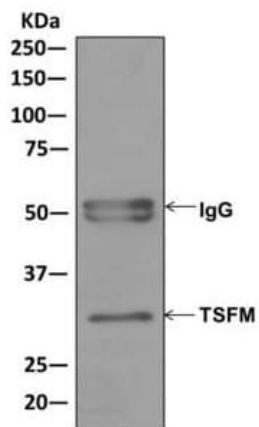
Lysates/proteins at 10 µg per lane.

Predicted band size: 35 kDa



Immunocytochemistry/ Immunofluorescence - Anti-EF-Ts antibody [EPR12034] (ab173528)

Immunofluorescence analysis of HeLa cells labeling EF-Ts with ab173528 at a 1/50 dilution.



Western blot analysis on immunoprecipitation pellet from 293T cell lysate: ab173528 at a 1/10 dilution was used to immunoprecipitated EF-Ts.

Immunoprecipitation - Anti-EF-Ts antibody [EPR12034] (ab173528)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-EF-Ts antibody [EPR12034] (ab173528)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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