

Datasheet for ABIN2780494
anti-TEF antibody (N-Term)

2 Images

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Overview

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|----------------------|---|
| Quantity: | 100 µL |
| Target: | TEF |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Dog, Cow, Sheep, Horse, Guinea Pig, Goat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TEF antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human TEF |
| Sequence: | PVDPQAGPGP GPGRAAGERG LSGSFPLVLK KLMENPPREA RLDKEKGKEK |
| Predicted Reactivity: | Cow: 93%, Dog: 93%, Goat: 91%, Guinea Pig: 83%, Horse: 100%, Human: 100%, Mouse: 93%, Rat: 93%, Sheep: 93% |
| Characteristics: | This is a rabbit polyclonal antibody against TEF. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

Target Details

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| Target: | TEF |
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Target Details

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| Alternative Name: | TEF (TEF Products) |
| Background: | <p>TEF (thyrotroph embryonic factor) is a member of the PAR bZip (proline and acidic amino acid-rich basic leucine zipper) transcription factor family. It accumulates with robust circadian rhythms in tissues with high amplitudes of clock gene expression. Thyrotroph embryonic factor (TEF), a transcription factor, is a member of the PAR (proline and acidic amino acid-rich) subfamily of basic region/leucine zipper (bZIP) transcription factors. It is expressed in a broad range of cells and tissues in adult animals, however, during embryonic development, TEF expression appears to be restricted to the developing anterior pituitary gland, coincident with the appearance of thyroid-stimulating hormone, beta (TSHB). Indeed, TEF can bind to, and transactivate the TSHB promoter. It shows homology (in the functional domains) with other members of the PAR-bZIP subfamily of transcription factors, which include albumin D box-binding protein (DBP), human hepatic leukemia factor (HLF) and chicken vitellogenin gene-binding protein (VBP), VBP is considered the chicken homologue of TEF. Different members of the subfamily can readily form heterodimers, and share DNA-binding, and transcriptional regulatory properties.</p> <p>Alias Symbols: -</p> <p>Protein Interaction Partner: MRPL28, DBP,</p> <p>Protein Size: 303</p> |
| Molecular Weight: | 33 kDa |
| Gene ID: | 7008 |
| NCBI Accession: | NM_003216 , NP_003207 |
| UniProt: | Q10587 |

Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 303 AA |
| Restrictions: | For Research Use only |

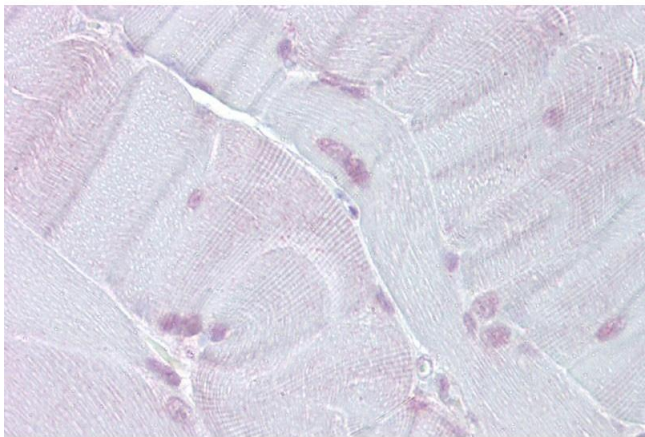
Handling

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| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % |

Handling

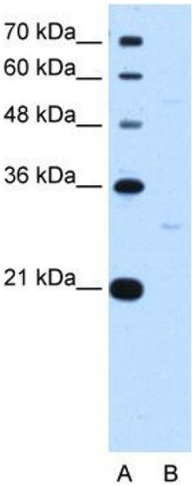
| | |
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| | sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images



Immunohistochemistry

Image 1. Immunohistochemistry with Skeletal muscle tissue at an antibody concentration of 5µg/ml using anti-TEF antibody (ARP38279_P050)



Western Blotting

Image 2. WB Suggested Anti-TEF Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate