



[Go to Product page](#)

Datasheet for ABIN1385824
anti-TCF12 antibody (AA 51-150)

1 Publication

Overview

Quantity:	100 µL
Target:	TCF12
Binding Specificity:	AA 51-150
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TCF12 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TCF12
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse, Sheep, Horse, Rabbit, Zebrafish
Purification:	Purified by Protein A.

Target Details

Target:	TCF12
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Target Details

Alternative Name: [TCF12/HEB \(TCF12 Products\)](#)

Background: Synonyms: bHLHb20, Class B basic helix-loop-helix protein 20, DNA binding protein HTF4, DNA-binding protein HTF4, E box binding protein, E-box-binding protein, HEB, HTF4, HTF4_HUMAN, TCF-12, Tcf12, Transcription factor 12, Transcription factor HTF-4, Transcription factor HTF4.

Background: Differentiation of myogenic cells is regulated by multiple positively and negatively acting factors. One well characterized family of helix-loop-helix (HLH) proteins known to play an important role in the regulation of muscle cell development includes Myo D, myogenin, Myf-5 and Myf-6 (also designated MRF-4 or herculin). Myo D transcription factors form heterodimers with products of a more widely expressed family of bHLH genes, the E family, which consists of at least three distinct genes: E2A, IF2 and HEB. Myo D-E heterodimers bind avidly to consensus (CANNTG) E box target sites that are functionally important elements in the upstream regulatory sequences of many muscle-specific terminal differentiation genes. Both homo- and hetero-oligomers of these proteins are able to distinguish very closely related E box proteins and are believed to play important roles in lineage specific gene expression.

Gene ID: 6938

UniProt: [Q99081](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Handling

Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in: Li, Leng, Liu, Hu, Zhang, Li, Jiang, Zhou, Xu: "Overexpressed PTOV1 associates with tumorigenesis and progression of esophageal squamous cell carcinoma." in: **Tumour biology**, Vol. 39, Issue 6, pp. 1010428317705010, (2017) ([PubMed](#)).