



## Datasheet for ABIN701605 **anti-TCF3 antibody (AA 75-180)**



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1 Image

1 Publication

### Overview

Quantity:	100 µL
Target:	TCF3
Binding Specificity:	AA 75-180
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TCF3 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human eIF2 alpha
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Cow,Chicken,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	TCF3
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## Target Details

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Alternative Name: e2 alpha ([TCF3 Products](#))

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Background: Synonyms: EIF2, EIF-2, EIF2A, EIF-2A, EIF-2alpha, Eukaryotic translation initiation factor 2 subunit 1, Eukaryotic translation initiation factor 2 subunit alpha, eIF-2-alpha, EIF2S1  
Background: Functions in the early steps of protein synthesis by forming a ternary complex with GTP and initiator tRNA. This complex binds to a 4S ribosomal subunit, followed by mRNA binding to form a 43S preinitiation complex. Junction of the 6S ribosomal subunit to form the 8S initiation complex is preceded by hydrolysis of the GTP bound to eIF-2 and release of an eIF-2-GDP binary complex. In order for eIF-2 to recycle and catalyze another round of initiation, the GDP bound to eIF-2 must exchange with GTP by way of a reaction catalyzed by eIF-2B.

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Gene ID: 1965

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UniProt: [P05198](#)

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Pathways: [WNT Signaling](#), [Stem Cell Maintenance](#), [Regulation of Muscle Cell Differentiation](#), [Production of Molecular Mediator of Immune Response](#)

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## Application Details

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Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
FCM 1:20-100  
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

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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## Handling

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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

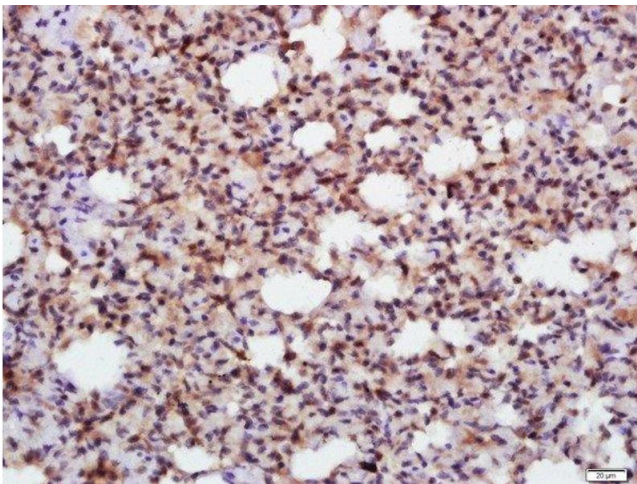
## Publications

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Product cited in: He, Long, Zhong, Fu, Li, Lin: "Sustained endoplasmic reticulum stress inhibits hepatocyte proliferation via downregulation of c-Met expression." in: **Molecular and cellular biochemistry**, Vol. 389, Issue 1-2, pp. 151-8, (2014) ([PubMed](#)).

## Images

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### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Paraformaldehyde-fixed, paraffin embedded rat lung tissue, Antigen retrieval by boiling in sodium citrate buffer(pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-eIF2 alpha Polyclonal Antibody, Unconjugated at 1:500 overnight at 4°C, followed by a conjugated secondary and DAB staining