

## Product datasheet

# Anti-TCF3 / E2A antibody [EPR20682] ab224638

Recombinant RabMAb

3 Images

### Overview

<b>Product name</b>	Anti-TCF3 / E2A antibody [EPR20682]
<b>Description</b>	Rabbit monoclonal [EPR20682] to TCF3 / E2A
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment within Human TCF3/ E2A aa 400-550. The exact sequence is proprietary. Database link: <a href="#">P15923</a>
<b>Positive control</b>	IHC-P: Human tonsil, diffuse large B-cell lymphoma and colon cancer tissues.
<b>General notes</b>	Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .  This product is a <a href="#">recombinant rabbit monoclonal antibody</a> .

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol, PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR20682
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab224638** in the following tested applications.

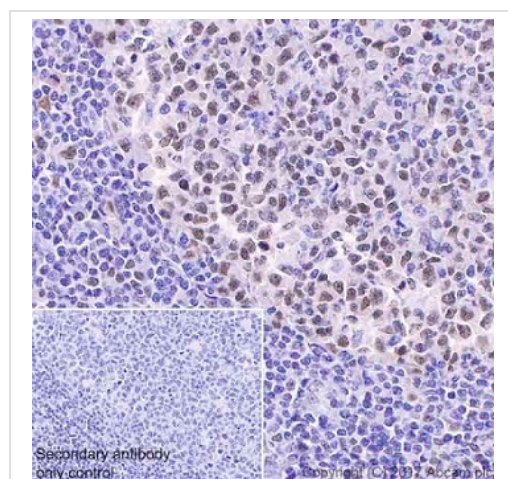
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

## Target

<b>Function</b>	Heterodimers between TCF3 and tissue-specific basic helix-loop-helix (bHLH) proteins play major roles in determining tissue-specific cell fate during embryogenesis, like muscle or early B-cell differentiation. Dimers bind DNA on E-box motifs: 5'-CANNTG-3'. Binds to the kappa-E2 site in the kappa immunoglobulin gene enhancer.
<b>Involvement in disease</b>	Note=Chromosomal aberrations involving TCF3 are cause of forms of pre-B-cell acute lymphoblastic leukemia (B-ALL). Translocation t(1;19)(q23;p13.3) with PBX1; Translocation t(17;19)(q22;p13.3) with HLF. Inversion inv(19)(p13;q13) with TFPT.
<b>Sequence similarities</b>	Contains 1 basic helix-loop-helix (bHLH) domain.
<b>Domain</b>	the 9aaTAD motif is a transactivation domain present in a large number of yeast and animal transcription factors.
<b>Post-translational modifications</b>	Phosphorylated following NGF stimulation.
<b>Cellular localization</b>	Nucleus.

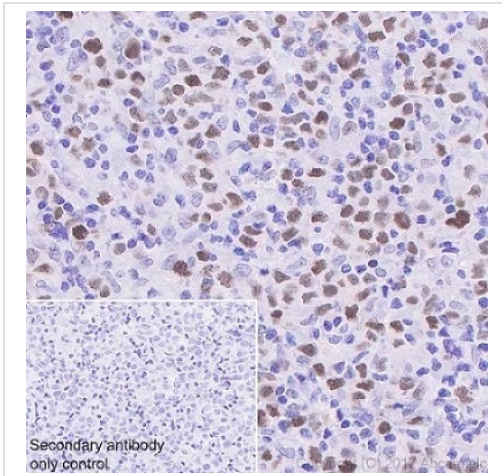
## Images



Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling TCF3 / E2A with ab224638 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP), ready to use. Strong nuclear staining on germinal center of human tonsil (PMID:9665477). Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP), ready to use.

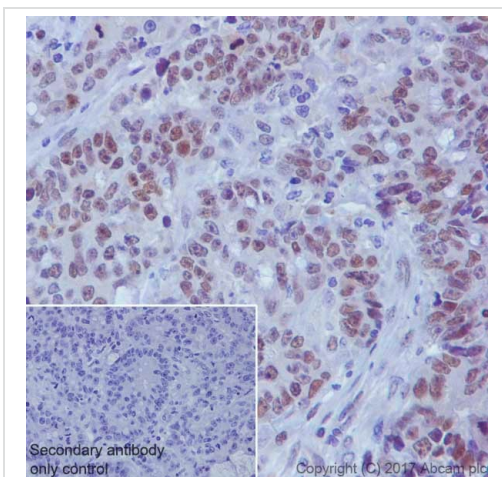
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TCF3 / E2A antibody [EPR20682] (ab224638)



Immunohistochemical analysis of paraffin-embedded human diffuse large B-cell lymphoma tissue labeling TCF3 / E2A with ab224638 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP), ready to use. Nuclear staining on tumor cells of human diffuse large B-cell lymphoma (PMID:16877363). Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP), ready to use.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TCF3 / E2A antibody [EPR20682] (ab224638)



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue labeling TCF3 / E2A with ab224638 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP), ready to use. Nuclear staining on tumor cells of human colon cancer (PMID:24454819). Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP), ready to use.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TCF3 / E2A antibody [EPR20682] (ab224638)

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

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