

## Product datasheet

# Anti-TCF12 antibody [7B3] - BSA and Azide free ab252269

Recombinant

[2 Images](#)

### Overview

<b>Product name</b>	Anti-TCF12 antibody [7B3] - BSA and Azide free
<b>Description</b>	Rat monoclonal [7B3] to TCF12 - BSA and Azide free
<b>Host species</b>	Rat
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> Flow Cyt, ICC/IF or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: SW620, HeLa, Raji, Jurkat and WEHI-231 cell lysate.
<b>General notes</b>	<p>ab252269 is the carrier-free version of <a href="#">ab243149</a>.</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p>

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	7B3
<b>Isotype</b>	IgG2b

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab252269 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
<b>WB</b>		Use a concentration of 0.394 µg/ml. Predicted molecular weight: 72 kDa.

**Application notes** Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

## Target

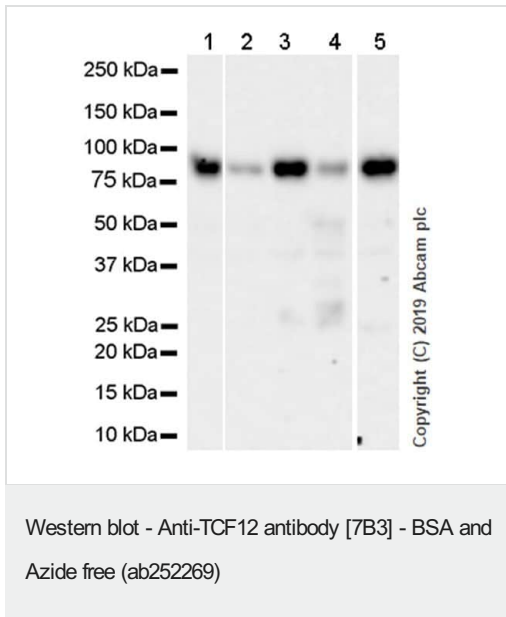
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<b>Function</b>	Binds specifically to oligomers of E-box motifs. May play important roles during development of the nervous system as well as in other organ systems.
<b>Tissue specificity</b>	Expressed in several tissues and cell types including skeletal muscle, thymus, and a B-cell line.
<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 upon DNA damage, probably by ATM or ATR.
<b>Cellular localization</b>	Nucleus.

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## Images

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**All lanes** : Anti-TCF12 antibody [7B3] ([ab243149](#)) at 0.394 µg/ml

**Lane 1** : HeLa (human cervix adenocarcinoma epithelial cell), whole cell lysate

**Lane 2** : SW620 (human colorectal adenocarcinoma epithelial cell), whole cell lysate

**Lane 3** : Raji (human Burkitt's lymphoma B lymphocyte), whole cell lysate

**Lane 4** : Jurkat (human T cell leukemia T lymphocyte), whole cell lysate

**Lane 5** : WEHI-231 (mouse B cell lymphoma B lymphocyte), whole cell lysate

Lysates/proteins at 20 µg per lane.

#### Secondary

**All lanes** : Goat Anti-Rat IgG H&L (HRP) ([ab205720](#)) at 1/5000 dilution





**Predicted band size:** 72 kDa

The expression molecular weight observed is consistent with what has been described in the literature (PMID: 16785505).

Blocking/diluting buffer and concentration: 5% NFDN/TBST

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab243149](#)).

Why choose a recombinant antibody?

 <b>Research with confidence</b> Consistent and reproducible results	 <b>Long-term and scalable supply</b> Recombinant technology
 <b>Success from the first experiment</b> Confirmed specificity	 <b>Ethical standards compliant</b> Animal-free production

Anti-TCF12 antibody [7B3] - BSA and Azide free  
(ab252269)

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

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