

### Anti-Tbx2 antibody [4D6] ab140345

#### Overview

<b>Product name</b>	Anti-Tbx2 antibody [4D6]
<b>Description</b>	Mouse monoclonal [4D6] to Tbx2
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, IP, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human Tbx2 aa 554-702. Sequence:  ASTAAPFPFHLSQHMLASQGIPMPFTGGLFPYPYTYMAAA AAAASALPAT SAAAAAAAAAAGSLSRSPFLGSARPLRFSPYQIPVTIPPST SLLTTGLAS EGSKAAGGNSREPSPLPELALRKVGAPSRGALSPSGSA KEAANELQSIQR LVSGLESQR

Database link: [Q13207](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

**Positive control** Human lung tissue.

**General notes** We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result, we are pleased to offer this antibody in a purified format as of 27<sup>th</sup> October 2017. The following lots are still unpurified and still in stock as of 27<sup>th</sup> October 2017- GR3184445-2, and GR224182-7. Lot numbers other than GR3184445-2, and GR224182-7 will be purified. Please note that the dilutions may need to be adjusted accordingly. Purified antibodies have the advantage of being enriched for the fraction of immunoglobulin that specifically reacts with the target antigen and for having a reduction of serum proteins.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

#### 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.
<b>Storage buffer</b>	Preservative: 0.09% Sodium azide Constituent: PBS
<b>Purity</b>	Affinity purified
<b>Purification notes</b>	From tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	4D6
<b>Myeloma</b>	Sp2/0
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab140345 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>IHC-P</b>		Use at an assay dependent concentration.
<b>IP</b>		Use at an assay dependent concentration.
<b>WB</b>		Use at an assay dependent concentration.

## Target

<b>Function</b>	Involved in the transcriptional regulation of genes required for mesoderm differentiation. Probably plays a role in limb pattern formation.
<b>Tissue specificity</b>	Expressed primarily in adult in kidney, lung, and placenta. Weak expression in heart and ovary.
<b>Sequence similarities</b>	Contains 1 T-box DNA-binding domain.
<b>Cellular localization</b>	Nucleus.

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

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you

- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors