


Product datasheet

Anti-TBX5 antibody ab137833

★★★★☆ [4 Abreviews](#) [6 References](#) [2 Images](#)

Overview

Product name	Anti-TBX5 antibody
Description	Rabbit polyclonal to TBX5
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Chicken, Cow 
Immunogen	Recombinant fragment, corresponding to a region within amino acids 1-243 of Human TBX5 (UniProt ID: Q99593).
Positive control	HeLa and HepG2 whole cell lysate (ab7900); HeLa cells
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 78% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab137833 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
WB	★ ★ ★ ★ ★ (1)	1/500 - 1/3000. Predicted molecular weight: 58 kDa.
ICC/IF	★ ★ ★ ★ ★ (2)	1/100 - 1/1000.

Target

Function

Involved in the transcriptional regulation of genes required for mesoderm differentiation. Probably plays a role in limb pattern formation.

Involvement in disease

Defects in TBX5 are the cause of Holt-Oram syndrome (HOS) [MIM:142900]. HOS is a developmental disorder affecting the heart and upper limbs. It is characterized by thumb anomaly and atrial septal defects.

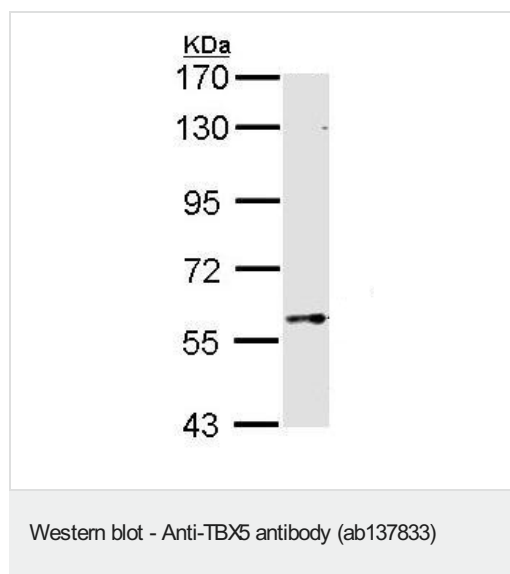
Sequence similarities

Contains 1 T-box DNA-binding domain.

Cellular localization

Nucleus.

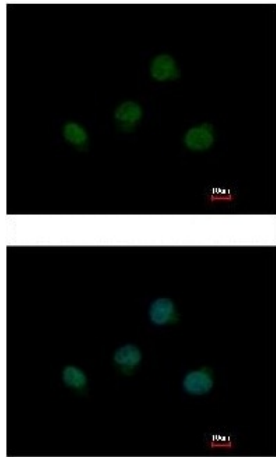
Images



Anti-TBX5 antibody (ab137833) at 1/1000 dilution + HeLa whole cell lysate at 30 µg

Predicted band size: 58 kDa

7.5% SDS PAGE



Immunofluorescence analysis of paraformaldehyde-fixed HeLa cells, labeling TBX5 using ab137833 at a 1/500 dilution. Lower image is costained with Hoechst 33342.

Immunocytochemistry/ Immunofluorescence - Anti-TBX5 antibody (ab137833)

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

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- Replacement or refund for products not performing as stated on the datasheet
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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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