abcam

Product datasheet

Anti-TBX1 antibody ab18530

★★★★★ 4 Abreviews 22 References 画像数 1

製品の概要

製品名	Anti-TBX1 antibody
製品の詳細	Rabbit polyclonal to TBX1
由来種	Rabbit
アプリケーション	**適用あり:** WB
種交差性	**交差種:** Human
免疫原	Synthetic peptide conjugated to KLH derived from within residues 1 - 100 of Human TBX1. Immunogen の所有権に関して (Peptide available as **ab19624**.)
特記事項	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

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab18530の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 43 kDa).

ターゲット情報

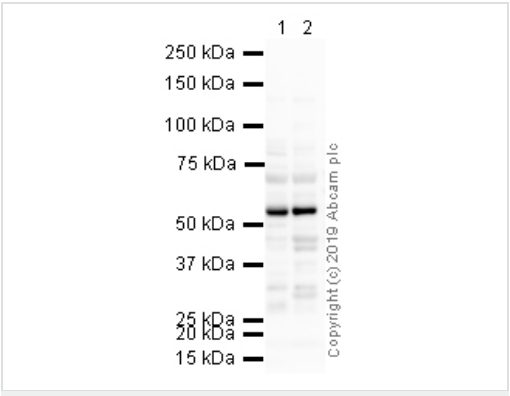
機能 Probable transcriptional regulator involved in developmental processes. Is required for normal development of the pharyngeal arch arteries.

関連疾患 Haploinsufficiency of the TBX1 gene is responsible for most of the physical malformations present in DiGeorge syndrome (DGS) and velocardiofacial syndrome (VCFS) [MIM:188400, 192430]. DGS is characterized by the association of several malformations: hypoplastic thymus and parathyroid glands, congenital conotruncal cardiopathy, and a subtle but characteristic facial dysmorphology. VCFS is marked by the association of congenital conotruncal heart defects, cleft palate or velar insufficiency, facial dysmorpholgy and learning difficulties. It is now accepted that these two syndromes represent two forms of clinical expression of the same entity manifesting at different stages of life.
Defects in TBX1 are a cause of DiGeorge syndrome (DGS) [MIM:188400].
Defects in TBX1 are a cause of velocardiofacial syndrome (VCFS) [MIM:192430].
Defects in TBX1 are a cause of conotruncal heart malformations (CTHM) [MIM:217095]. CTHM consist of cardiac outflow tract defects, such as tetralogy of Fallot, pulmonary atresia, double-outlet right ventricle, truncus arteriosus communis, and aortic arch anomalies.

配列類似性 Contains 1 T-box DNA-binding domain.

細胞内局在 Nucleus.

画像



Western blot - Anti-TBX1 antibody (ab18530)

All lanes : Anti-TBX1 antibody (ab18530) at 1 µg/ml

Lane 1 : Human heart tissue lysate (total protein)
Lane 2 : Human skeletal muscle tissue lysate (total protein)

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/50000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 43 kDa
Observed band size: 51 kDa

Exposure time: 8 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab18530 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution **ab133406**.

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