

Anti-TTF1 antibody [EP1584Y] ab76013

リコンビナント **RabMAb**

★★★★★ **17 Abreviews** **146 References** 画像数 10

製品の概要

製品名	Anti-TTF1 antibody [EP1584Y]
製品の詳細	Rabbit monoclonal [EP1584Y] to TTF1
由来種	Rabbit
アプリケーション	適用あり: IHC-P, WB 適用なし: Flow Cyt or ICC/IF
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. (Peptide available as ab187893)
ポジティブ・コントロール	IHC-P: Human lung carcinoma and thyroid carcinoma tissue; Rat lung tissue; Mouse lung tissue. WB: HeLa and HEK-293 cell lysate; Rat and mouse lung lysate. Flow Cyt: HeLa and A549 cells. IHC-Fr: Murine fetal lung tissue.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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 long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名 EP1584Y
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ab76013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
IHC-P	★★★★★ (6)	1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See <u>IHC antigen retrieval protocols</u> .
WB	★★★★★ (4)	1/2000. Detects a band of approximately 38-42 kDa (predicted molecular weight: 38-42 kDa). Can be blocked with <u>TTF1 peptide (ab187893)</u> . For unpurified use at 1/500- 1/1000.

追加情報 Is unsuitable for Flow Cyt or ICC/IF.

ターゲット情報

機能 Transcription factor that binds and activates the promoter of thyroid specific genes such as thyroglobulin, thyroperoxidase, and thyrotropin receptor. Crucial in the maintenance of the thyroid differentiation phenotype. May play a role in lung development and surfactant homeostasis.

組織特異性 Thyroid and lung.

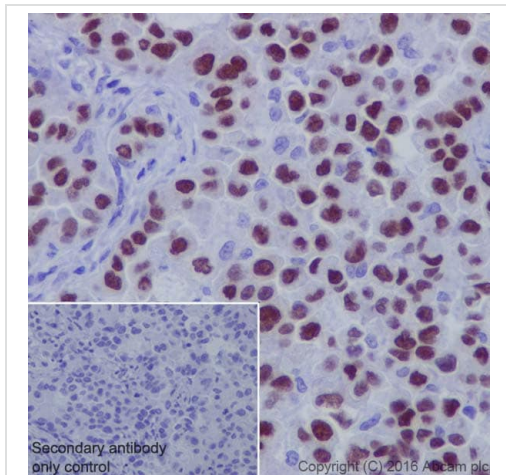
関連疾患 Defects in NKX2-1 are the cause of benign hereditary chorea (BHC) [MIM:118700]; also known as hereditary chorea without dementia. BHC is an autosomal dominant movement disorder. The early onset of symptoms (usually before the age of 5) and the observation that in some BHC families the symptoms tend to decrease in adulthood suggests that the disorder results from a developmental disturbance of the brain. BHC is non-progressive and patients have normal or slightly below normal intelligence. There is considerable inter- and intrafamilial variability, including dysarthria, axial dystonia and gait disturbances.
Defects in NKX2-1 are the cause of choreoathetosis, hypothyroidism, and neonatal respiratory distress (CHNRD) [MIM:610978]. This syndrome include neurological, thyroid, and respiratory problems.

配列類似性 Belongs to the NK-2 homeobox family.
Contains 1 homeobox DNA-binding domain.

翻訳後修飾 Phosphorylated on serine residues.

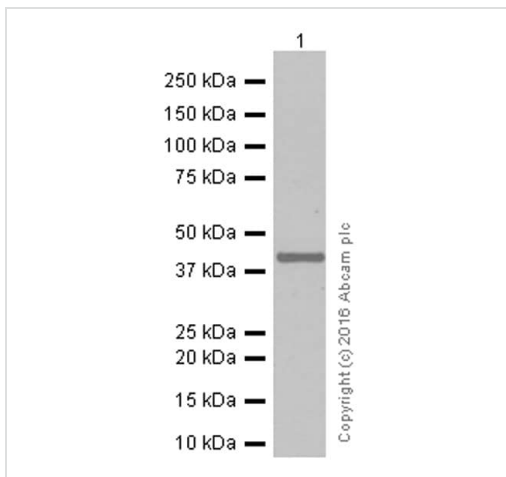
細胞内局在 Nucleus.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TTF1 antibody [EP1584Y] (ab76013)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human lung carcinoma tissue sections labeling TTF1 with purified ab76013 at 1/250 dilution (0.6 µg/ml). Heat mediated antigen retrieval was performed using EDTA Buffer, PH9. Hematoxylin was used to counter stain. **ab97051**, a Goat Anti-Rabbit IgG H&L (HRP) secondary antibody was used at 1/500 dilution. PBS instead of the primary antibody was used as the negative control.



Western blot - Anti-TTF1 antibody [EP1584Y] (ab76013)

Anti-TTF1 antibody [EP1584Y] (ab76013) at 1/10000 dilution (purified) + HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate at 20 µg

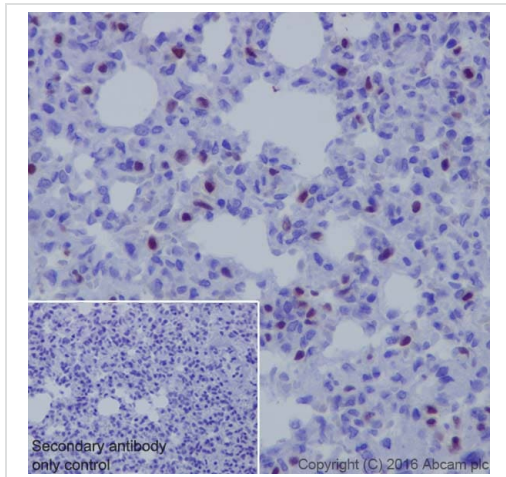
Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

Predicted band size: 38-42 kDa

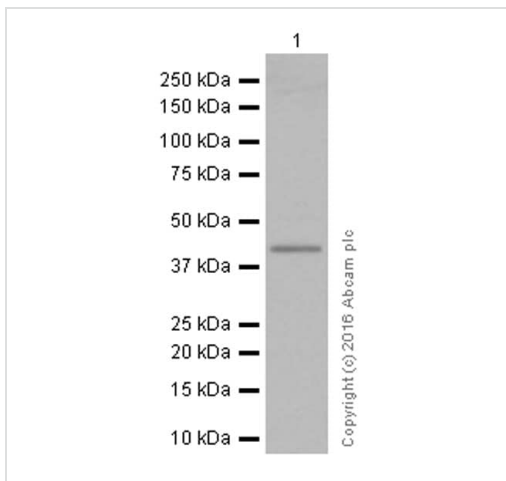
Observed band size: 40 kDa

Blocking and diluting buffer: 5% NFDM/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TTF1 antibody [EP1584Y] (ab76013)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat lung tissue sections labeling TTF1 with purified ab76013 at 1/250 dilution (0.6 µg/ml). Heat mediated antigen retrieval was performed using EDTA Buffer, PH9. Hematoxylin was used to counter stain. **ab97051**, a Goat Anti-Rabbit IgG H&L (HRP) secondary antibody was used at 1/500 dilution. PBS instead of the primary antibody was used as the negative control.



Western blot - Anti-TTF1 antibody [EP1584Y] (ab76013)

Anti-TTF1 antibody [EP1584Y] (ab76013) (purified) + Rat lung lysate at 15 µg

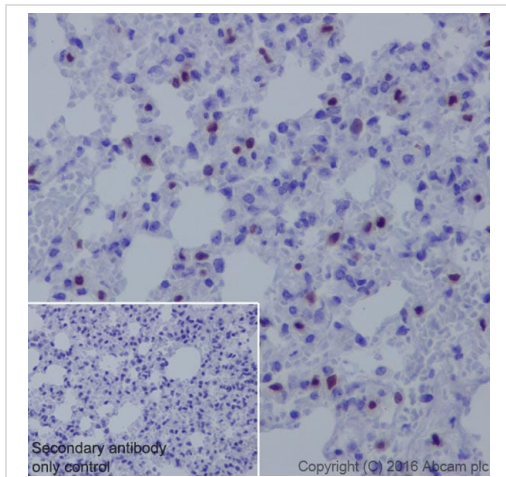
Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 38-42 kDa

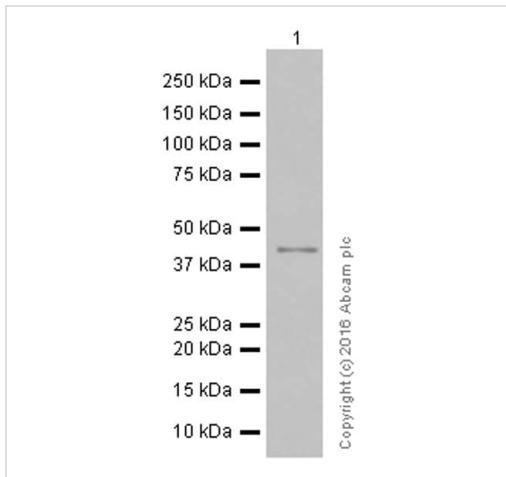
Observed band size: 40 kDa

Blocking and diluting buffer: 5% NFDM/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse lung tissue sections labeling TTF1 with purified ab76013 at 1/250 dilution (0.6 µg/ml). Heat mediated antigen retrieval was performed using EDTA Buffer, PH9. Hematoxylin was used to counter stain. **ab97051**, a Goat Anti-Rabbit IgG H&L (HRP) secondary antibody was used at 1/500 dilution. PBS instead of the primary antibody was used as the negative control.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TTF1 antibody [EP1584Y] (ab76013)



Anti-TTF1 antibody [EP1584Y] (ab76013) at 1/2000 dilution (purified) + Mouse lung lysate at 20 µg

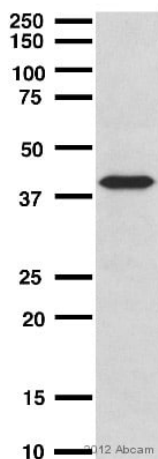
Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

Predicted band size: 38-42 kDa

Observed band size: 40 kDa

Western blot - Anti-TTF1 antibody [EP1584Y] (ab76013)



Western blot - Anti-TTF1 antibody [EP1584Y]
(ab76013)

This image is courtesy of an anonymous Abreview

Anti-TTF1 antibody [EP1584Y] (ab76013) at 1/2000 dilution
(unpurified) + HEK293 whole cell lysate at 30 µg

Secondary

HRP-conjugated goat anti-rabbit polyclonal IgG at 1/10000 dilution

Developed using the ECL technique.

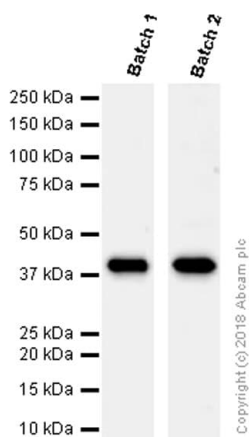
Performed under reducing conditions.

Predicted band size: 38-42 kDa

Observed band size: 40 kDa

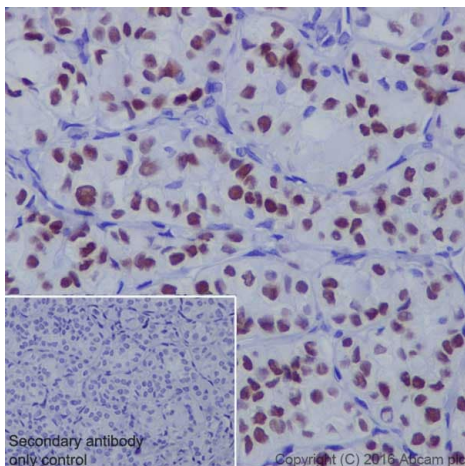
Exposure time: 2 minutes

Blocked with 5% milk



Western blot - Anti-TTF1 antibody [EP1584Y]
(ab76013)

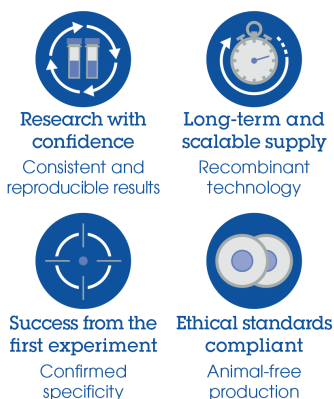
Different batches of ab76013 were tested on HeLa (Human cervix adenocarcinoma epithelial cell) lysate at 0.05 µg/ml. 15 µg of lysate was loaded in each lane. Bands observed at 40 kDa.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human thyroid carcinoma tissue sections labeling TTF1 with purified ab76013 at 1/250 dilution (0.6 µg/ml). Heat mediated antigen retrieval was performed using EDTA Buffer, PH9. Hematoxylin was used to counter stain. **ab97051**, a Goat Anti-Rabbit IgG H&L (HRP) secondary antibody was used at 1/500 dilution. PBS instead of the primary antibody was used as the negative control.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TTF1 antibody
[EP1584Y] (ab76013)

Why choose a recombinant antibody?



Anti-TTF1 antibody [EP1584Y] (ab76013)

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