

Anti-TTF1 antibody ab125650

[2 Images](#)

Overview

Product name	Anti-TTF1 antibody
Description	Rabbit polyclonal to TTF1
Host species	Rabbit
Specificity	ab125650 is predicted to not cross-react with other NK2 homeobox family members. At least three isoforms of TTF1 are known to exist; ab125650 will detect all three.
Tested applications	Suitable for: ICC/IF, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC: human lung tissue; ICC/IF: human lung tissue.
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. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: 99% PBS
Purity	Immunogen affinity purified
Purification notes	ab125650 is affinity chromatography purified via peptide column.
Clonality	Polyclonal
Isotype	IgG

Applications

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab125650 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
ICC/IF		Use a concentration of 20 µg/ml.
IHC-P		Use a concentration of 2.5 µg/ml.

Target

Function

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.

Tissue specificity

Thyroid and lung.

Involvement in disease

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.

Sequence similarities

Belongs to the NK-2 homeobox family.
Contains 1 homeobox DNA-binding domain.

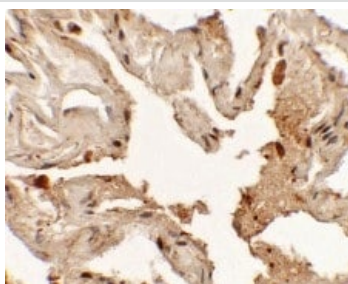
Post-translational modifications

Phosphorylated on serine residues.

Cellular localization

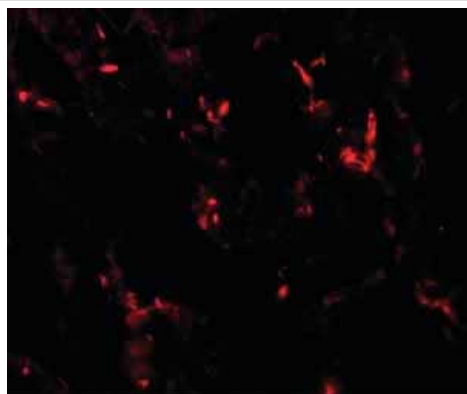
Nucleus.

Images



Immunohistochemistry of TTF1 in Human lung tissue with ab125650 at 2.5 µg/mL.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TTF1 antibody (ab125650)



Immunofluorescence of TTF1 in Human lung tissue with ab125650 at 20 ug/mL.

Immunocytochemistry/ Immunofluorescence - Anti-TTF1 antibody (ab125650)

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

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