

**Product Name: Thyroid Transcription Factor 1 Rabbit  
Monoclonal Antibody**  
**Catalog #: AMRe02727**

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## Summary

<b>Production Name</b>	Thyroid Transcription Factor 1 Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB, ICC/IF
<b>Reactivity</b>	Human, Hamster

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	NKX2-1
<b>Alternative Names</b>	NKX2-1; NKX2A; TITF1; TTF1; Homeobox protein Nkx-2.1; Homeobox protein NK-2 homolog A; Thyroid nuclear factor 1; Thyroid transcription factor 1; TTF-1
<b>Gene ID</b>	7080
<b>SwissProt ID</b>	P43699.

## Application

<b>Dilution Ratio</b>	WB: 1:500-1:1000 IF: 1:50-1:200
<b>Molecular Weight</b>	Calculated MW: 39 kDa; Observed MW: 39 kDa

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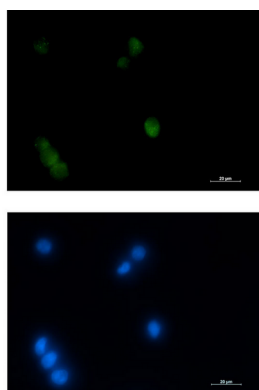
## Background

This gene encodes a protein initially identified as a thyroid-specific transcription factor. The encoded protein binds to the thyroglobulin promoter and regulates the expression of thyroid-specific genes but has also been shown to regulate the expression of genes involved in morphogenesis. Mutations and deletions in this gene are associated with benign hereditary chorea, choreoathetosis, congenital hypothyroidism, and neonatal respiratory distress, and may be associated with thyroid cancer.

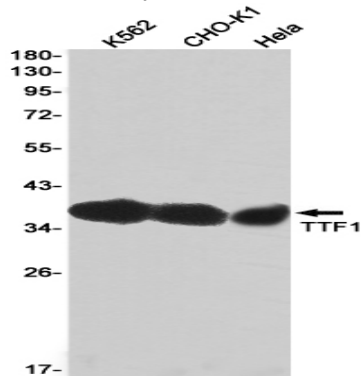
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Immunocytochemistry analysis of Thyroid Transcription Factor 1 (green) in K562 using Thyroid Transcription Factor 1 antibody, and DAPI (blue).



Western blot analysis of TTF1 in K562, CHO-K1, HeLa lysates using TTF1 antibody.

## Note

For research use only.

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