

Purified anti-TTF-1 Antibody (Previously Covance catalog# SIG-3830)

Catalog# / Size	918101 / 6 mL
Clone	8G7G3/1
Regulatory Status	RUO
Other Names	Thyroid Transcription Factor, Homeobox protein Nkx-2.1, thyroid nuclear factor 1, thyroid transcription factor 1 TTF-1 NK-2
Previously	Signet Catalog# 830-26 L2 Predilute Covance Catalog# SIG-3830
Isotype	Mouse IgG1
Description	Transcription termination factor-1 (TTF-1) plays a critical role in ribosomal gene transcription. This transcription factor mediates the termination of RNA polymerase I transcription by binding to Sal box terminator elements downstream of pre-rRNA coding regions. It binds to and activates the promoter of thyroid specific genes such as thyroglobulin, thyrotropin receptor, and thyroperoxidase. TTF-1 is important in the maintenance of the thyroid differentiation phenotype.

Product Details

Verified Reactivity	Human, Rat
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	This antibody was developed using a rat TTF-1 recombinant protein.
Formulation	Phosphate-buffered solution with BSA + 0.1% NaN ₃ .
Preparation	The antibody was purified by affinity chromatography.
Storage & Handling	Store between 2°C and 8°C.
Application	IHC-P - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by formalin-fixed paraffin-embedded immunohistochemical staining. For immunohistochemistry, the antibody is ready-to-use.
Application Notes	The BioLegend TTF-1 (8G7G3/1) antibody recognizes the 40kD thyroid transcription factor, which is a member of the NKx2 family of transcription factors. TTF-1 antigen is expressed in epithelial cells of the thyroid gland and the lung.
RRID	AB_2565205 (BioLegend Cat. No. 918101)

Antigen Details

Biology Area	Cell Biology, Signal Transduction
Gene ID	25628

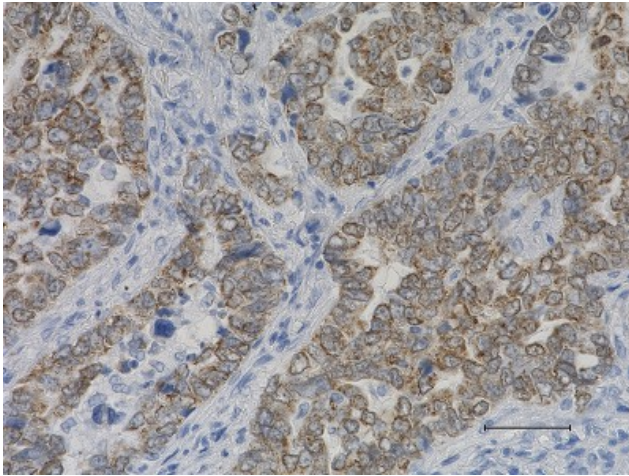
Related Protocols

[Immunohistochemistry Protocol for Paraffin-Embedded Sections](#)

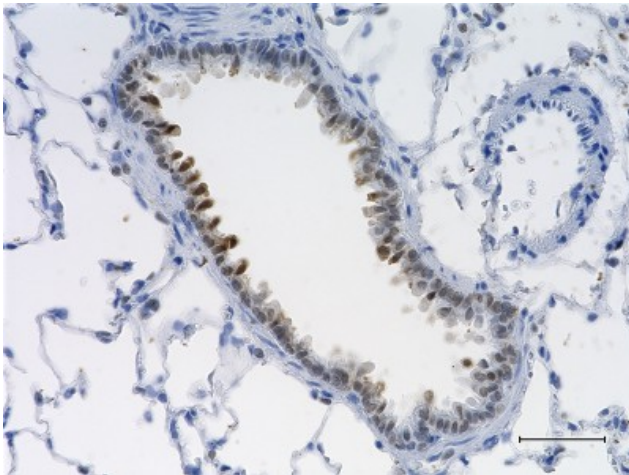
Other Formats

Purified anti-TTF-1

Product Data



IHC staining of purified anti-TTF-1 antibody (clone 8G7G3/1) on formalin-fixed paraffin-embedded human lung tumor tissue. Following antigen retrieval using Sodium Citrate H.I.E.R., the tissue was incubated with the primary antibody for 60 minutes at room temperature. BioLegend's Ultra-Streptavidin (USA) HRP Detection Kit (Multi-Species, DAB, Cat. No. 929901) was used for detection followed by hematoxylin counterstaining, according to the protocol provided. The image was captured with a 40X objective. Scale bar: 50 μ m



IHC staining of purified anti-TTF-1 antibody (clone 8G7G3/1) on formalin-fixed paraffin-embedded rat lung tissue. Following antigen retrieval using Sodium Citrate H.I.E.R., the tissue was incubated with the primary antibody for 60 minutes at room temperature. BioLegend's Ultra-Streptavidin (USA) HRP Detection Kit (Multi-Species, DAB, Cat. No. 929901) was used for detection followed by hematoxylin counterstaining, according to the protocol provided. The image was captured with a 40X objective. Scale bar: 50 μ m

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