

Product datasheet for **TA355352**

TTF1 (NKX2-1) Mouse Monoclonal Antibody [Clone ID: SPT24]

Product data:

Product Type:	Primary Antibodies
Clone Name:	SPT24
Applications:	IHC
Recommended Dilution:	1:200
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Prokaryotic recombinant protein corresponding to a 123 amino acid fragment of the N-terminal region of the TTF-1 molecule
Specificity:	Human thyroid transcription factor-1 (TTF-1)
Formulation:	Liquid tissue culture supernatant containing sodium azide as a preservative
Conjugation:	Unconjugated
Storage:	Store at 2-8°C
Stability:	12 months
Gene Name:	NK2 homeobox 1
Database Link:	Entrez Gene 7080 Human P43699

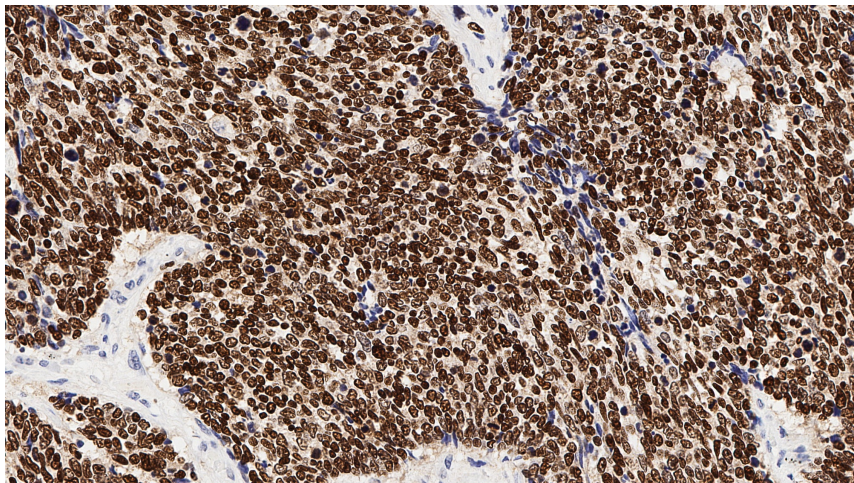
Background: Thyroid Transcription Factor-1 (TTF-1) is a member of the homeodomain transcription factor family and plays a role in regulating genes expressed within the thyroid, lung and brain. These include thyroglobulin, thyroid peroxidase, Clara cell secretory protein and surfactant proteins. Human TTF-1 (38 kD) is a single polypeptide of 371 amino acids sharing 98% homology with the equivalent rat and mouse proteins. TTF-1 functions by binding to specific recognition sites in a manner that may be regulated by both the redox and phosphorylation status of the protein. In addition to its role as a tissue-specific transcriptional activator in adult organs, TTF-1 may also function in organogenesis. Gene targeting studies have shown TTF-1 to be essential for the proper development of the thyroid and lungs and abnormal expression may underline a number of congenital abnormalities.



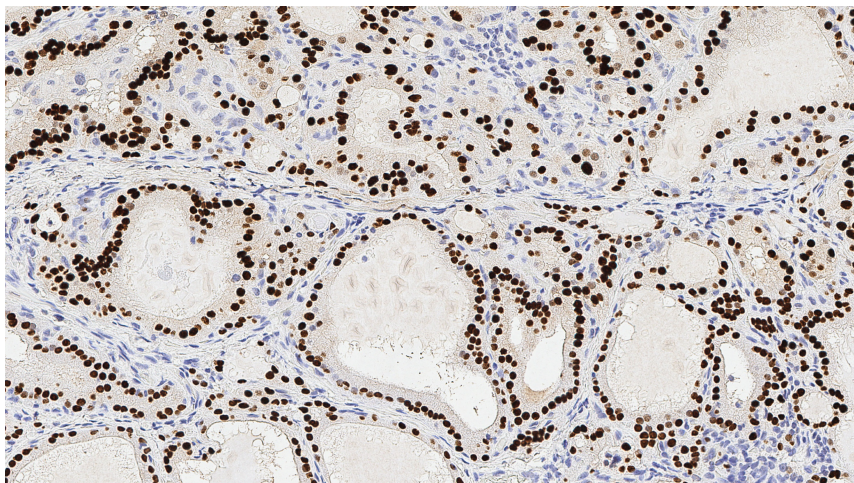
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Synonyms: BCH; BHC; NK-2; NKX2.1; NKX2A; TEBP; TITF1; TTF-1; TTF1

Product images:



Human small cell lung carcinoma:
immunohistochemical staining with Thyroid
Transcription Factor-1. Thyroid Transcription
Factor-1: clone SPT24



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