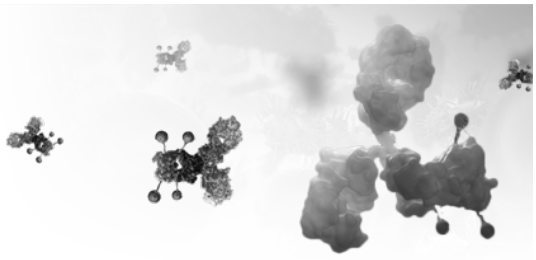

Mouse Anti-Human TTF-1 monoclonal antibody, clone JID525 (CABT-L2852)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human TTF-1
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID525
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Lung Adenocarcinoma
Format	Liquid
Size	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

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Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	Thyroid Transcription Factor 1 (TTF-1) is present in diencephalon, lung, and thyroid. Anti-TTF-1 stains thyroid and thyroid-derived tumors, and is therefore used for distinguishing lung adenocarcinoma from germ cell tumors, malignant mesothelioma, and metastatic carcinomas from organs other than the thyroid. It is also useful for distinguishing small cell lung carcinoma from lymphoid infiltrates, and pulmonary from non-pulmonary adenocarcinomas in malignant effusions. The ability to distinguish between pulmonary and non-pulmonary adenocarcinomas is particularly useful in identifying tumors that have metastasized to the brain.
Keywords	TTF1;transcription termination factor, RNA polymerase I;transcription termination factor 1;TTF-1;TTF-I;

GENE INFORMATION

Gene Name	TTF1 transcription termination factor, RNA polymerase I [Homo sapiens (human)]
Official Symbol	TTF1
Synonyms	TTF1; transcription termination factor, RNA polymerase I; TTF-1; TTF-I; transcription termination factor 1;
Entrez Gene ID	7270
Protein Refseq	NP_001192225
UniProt ID	A0A087WY09
Chromosome Location	9q34.13
Pathway	Epigenetic regulation of gene expression; Gene Expression; Negative epigenetic regulation of rRNA expression; NoRC negatively regulates rRNA expression; RNA Polymerase I Promoter Clearance; RNA Polymerase I Transcription; RNA Polymerase I Transcription Initiation; RNA Polymerase I Transcription Termination;
Function	DNA binding; chromatin binding;

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