

Transcription Termination Factor 2/TTF2 Rabbit mAb

Catalog # AP76214

Product Information

Application	WB, IHC-P, FC
Primary Accession	Q9UNY4
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	129588

Additional Information

Gene ID	8458
Other Names	TTF2
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:50-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

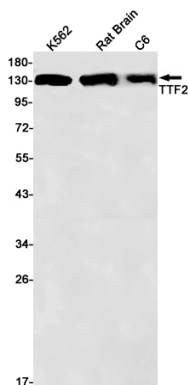
Name	TTF2 (HGNC:12398)
Function	DsDNA-dependent ATPase which acts as a transcription termination factor by coupling ATP hydrolysis with removal of RNA polymerase II from the DNA template. May contribute to mitotic transcription repression. May also be involved in pre-mRNA splicing.
Cellular Location	Cytoplasm. Nucleus. Note=Cytoplasmic during interphase Relocates to the nucleus as cells enter mitosis

Background

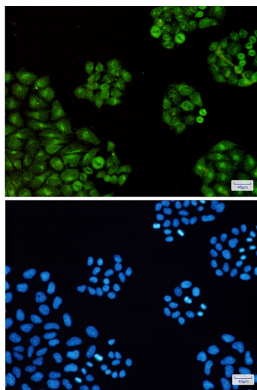
Transcription elongation is an key target for control of eukaryotic gene expression. After initiating from a promoter, the RNA polymerase II elongation complex is subjected to a block to elongation by the action of components of N-TEF (negative transcription elongation factor) [PMID: 9748214]. Transcription termination

factor 2 (TTF2) is a DsDNA-dependent ATPase that acts as a transcription termination factor by coupling ATP hydrolysis with removal of RNA polymerase II from the DNA template. It also contribute to mitotic transcription repression, and involved in pre-mRNA splicing[PMID:15125840, 12927788].

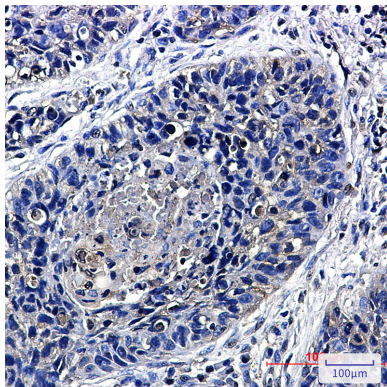
Images



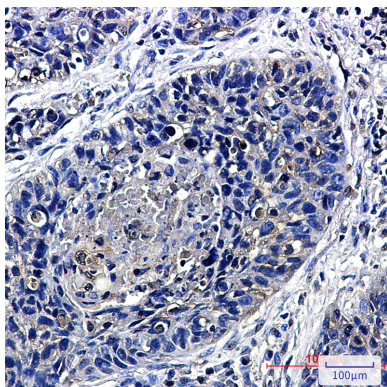
Western blot analysis of TTF2 in K562, rat Brain, C6 lysates using Transcription Termination Factor 2 antibody.



Immunocytochemistry analysis of TTF2(green) in HeLa using TTF2 antibody, and DAPI(blue)



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using TTF2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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