Product Datasheet

TFAM Antibody

Catalog No: #33841

Package Size: #33841-1 50ul #33841-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

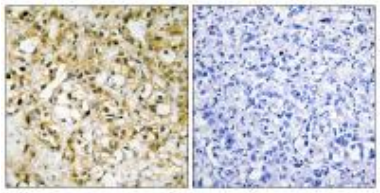
Product Name	TFAM Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	IHC IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total TFAM protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human TFAM.
Target Name	TFAM
Other Names	RTEF1; TCF13L1; TEA domain family member 4; TEAD-4; TEAD4
Accession No.	Swiss-Prot: Q00059NCBI Gene ID: 7019
SDS-PAGE MW	29kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

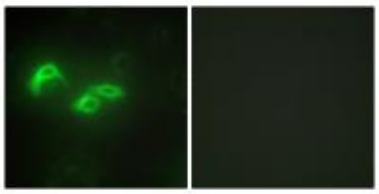
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:500

Images



Immunohistochemistry analysis of paraffin-embedded human liver carcinoma tissue, using TFAM antibody #33841.



Immunofluorescence analysis of HepG2 cells, using TFAM antibody #33841.

Background

Binds to the mitochondrial light strand promoter and functions in mitochondrial transcription regulation. Required for accurate and efficient promoter recognition by the mitochondrial RNA polymerase. Promotes transcription initiation from the HSP1 and the light strand promoter by binding immediately upstream of transcriptional start sites. Is able to unwind DNA. Bends the mitochondrial light strand promoter DNA into a U-turn shape via its HMG boxes. Required for maintenance of normal levels of mitochondrial DNA. May play a role in organizing and compacting mitochondrial DNA.

Parisi M.A., Science 252:965-969(1991).
Tominaga K., Biochim. Biophys. Acta 1131:217-219(1992).
Fisher R.P., J. Biol. Chem. 267:3358-3367(1992).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.