

Anti-AK6 Antibody [B1-F4]

M1509-2



Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB, IF-Cell
Molecular Wt:	Predicted band size: 20 kDa
Clone number:	B1-F4

Description: In eukaryotic systems, the process of initiating transcription from protein-coding genes requires the presence of RNA polymerase II and a broad family of auxiliary transcription factors. Such factors can be divided into two major functional classes: the basal factors that mediate the transcription of all Pol II genes, including TFIIA, TFIIB, TFIID, TFII E, TFII F and TFII H, and sequence-specific factors that regulate gene expression. TFIID, one of the basal transcription factors, facilitates the preinitiation complex assembly through direct interactions with the TATA promoter element. TAF9 (transcription initiation factor TFIID subunit 9), also known as TAF9A or TAF II p32, is a 264 amino acid nuclear protein that, is a component of the TFIID complex and is required for cell viability.

Immunogen: Synthetic peptide within Human AK6 aa 123-172 / 172.

Positive control: MCF-7 cell lysates, human lung tissue lysates.

Subcellular location: Nucleus.

Database links: SwissProt: Q9Y3D8 Human

Recommended Dilutions:

WB	1:2,000-1:5,000
IF-Cell	1:50-1:200

Storage Buffer: 1*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Images

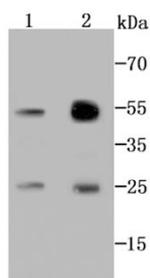


Fig1: Western blot analysis of AK6 on MCF-7 cell (1) and human lung tissue (2) lysate using anti-AK6 antibody at 1/1000 dilution.

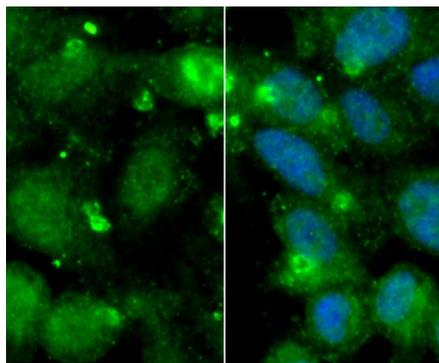


Fig2: ICC staining AK6 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Feng X et al. Identification of a novel nuclear-localized adenylate kinase 6 from *Arabidopsis thaliana* as an essential stem growth factor. *Plant Physiol Biochem* 61:180-6 (2012).
2. Drakou CE et al. hCINAP is an atypical mammalian nuclear adenylate kinase with an ATPase motif: structural and functional studies *Proteins* 80(1):206-20 (2012).

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