

KO-Validated Anti-ETS Transcription Factor ELK1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody Catalog # AGI2428

Specification

KO-Validated Anti-ETS Transcription Factor ELK1 Rabbit Monoclonal Antibody - Product Information

Application WB, FC, ICC Primary Accession P19419

Reactivity Rat, Human, Mouse

Clonality Monoclonal Isotype Rabbit IgG

Calculated MW Predicted, 45 kDa; observed, 62 kDa KDa

Gene Name ELI

Aliases ELK1; ETS Transcription Factor ELK1; ELK1,

Member Of ETS Oncogene Family; ETS Domain-Containing Protein Elk-1; Tyrosine

Kinase (ELK1) Oncogene; ELK1, ETS
Transcription Factor; ETS-Like Gene 1

Immunogen A synthesized peptide derived from human

ELK1

KO-Validated Anti-ETS Transcription Factor ELK1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 2002

Other Names

ETS domain-containing protein Elk-1, ELK1 (<a

href="http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=3321"

target=" blank">HGNC:3321)

KO-Validated Anti-ETS Transcription Factor ELK1 Rabbit Monoclonal Antibody - Protein Information

Name ELK1 (HGNC:3321)

Function

Transcription factor that binds to purine-rich DNA sequences (PubMed:10799319, PubMed:7889942). Forms a ternary complex with SRF and the ETS and SRF motifs of the serum response element (SRE) on the promoter region of immediate early genes such as FOS and IER2 (PubMed:1630903). Induces target gene transcription upon JNK and MAPK- signaling pathways stimulation (PubMed:7889942).

Cellular Location

Nucleus.



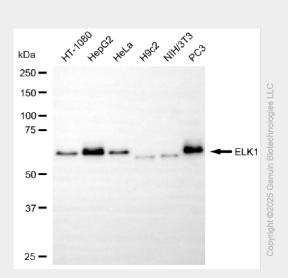
Tissue Location Lung and testis.

KO-Validated Anti-ETS Transcription Factor ELK1 Rabbit Monoclonal Antibody - Protocols

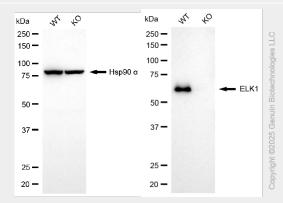
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

KO-Validated Anti-ETS Transcription Factor ELK1 Rabbit Monoclonal Antibody - Images



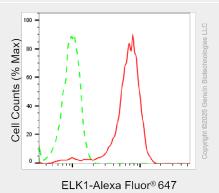
Western blotting analysis using anti-ELK1 antibody (Cat#AGI2428). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ELK1 antibody (Cat#AGI2428, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



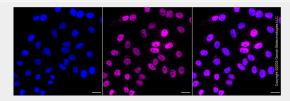
Western blotting analysis using anti-ELK1 antibody (Cat#AGI2428). ELK1 expression in wild type (WT) and ELK1 knockout (KO) HSHC cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-ELK1 antibody (Cat#AGI2428, 1:5,000) and



HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of ELK1 expression in HepG2 cells using anti-ELK1 antibody (Cat#AGI2428, 1:2,000). Green, isotype control; red, ELK1.



Immunocytochemical staining of HepG2 cells with anti-ELK1 antibody (Cat#AGI2428, 1:1,000). Nuclei were stained blue with DAPI; ELK1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, $20~\mu m$.