

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
Primary Accession
Reactivity
Clonality
Isotype
Calculated MW
Gene Name
Aliases

WB, FC, ICC <u>P19419</u> Rat, Human, Mouse Monoclonal Rabbit IgG Predicted, 45 kDa; observed, 62 kDa KDa ELK1 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 A synthesized peptide derived from human ELK1

Immunogen

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

Gene ID 2002 Other Names ETS domain-containing protein Elk-1, ELK1 (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.

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

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.

kDa 250 — 150 — 100 —	n 40	← Hsp90 α	kDa 250 — 150 — 100 —	W.	40		nologies LLC
75 -			50 –	-		← ELK1	enuin Biotechr
37 - 25 -			37 - 25 -				/right @2025 G
20 —			20 —				Cob

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.



ELK1-Alexa Fluor® 647

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 μ m.