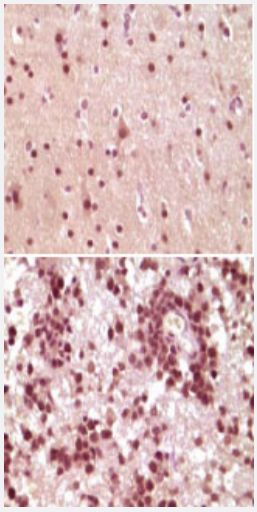
ELK1 monoclonal antibody, clone 3H6D12, 4H9C8,4H9F1

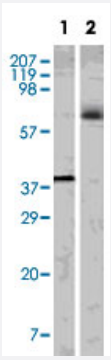
Catalog # MAB8302 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoistochemical analysis of paraffin-embedded human brain tumor tissue showing nuclear/cytoplasmic localization using ELK1 with DAB staining.



Western Blot

Western blot analysis using ELK1 monoclonal antibody, clone 3H6D12, 4H9C8,4H9F1 (Cat # MAB8302) against truncated recombinant ELK1 (Lane 1) and K-562 cell lysate (Lane 2).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant ELK1.
Immunogen	Recombinant protein corresponding to truncated human ELK1.
Host	Mouse
Reactivity	Human

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Form	Liquid
Isotype	IgG1
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1:1000)br>ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunoistochemical analysis of paraffin-embedded human brain tumor tissue showing nuclear/cytoplasmic localization using ELK1 with DAB staining.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot

  Western blot analysis using ELK1 monoclonal antibody, clone 3H6D12, 4H9C8,4H9F1 (Cat # MAB8302) against truncated recombinant ELK1 (Lane 1) and K-562 cell lysate (Lane 2).

Gene Info — ELK1

Entrez GeneID	2002
Gene Name	ELK1
Gene Alias	-
Gene Description	ELK1, member of ETS oncogene family
Omim ID	311040
Gene Ontology	Hyperlink

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Gene Summary	This gene is a member of the Ets family of transcription factors and of the ternary complex factor (TCF) subfamily. Proteins of the TCF subfamily form a ternary complex by binding to the the serum response factor and the serum reponse element in the promoter of the c-fos proto-oncogene. The protein encoded by this gene is a nuclear target for the ras-raf-MAPK signaling cascade. Alternati vely spliced transcript variants encoding the same protein have been found for this gene. [provide d by RefSeq
Other Designations	ELK1 protein|OTTHUMP00000023224|OTTHUMP00000023225

Publication Reference

- PKCalpha expression regulated by Elk-1 and MZF-1 in human HCC cells.

  Hsieh YH, Wu TT, Tsai JH, Huang CY, Hsieh YS, Liu JY.

  Biochemical and Biophysical Research Communications 2006 Jan; 339(1):217.

  Application: ChIP, Human, HA22T/VGH cells

- Activation of ternary complex factor Elk-1 by stress-activated protein kinases.

  Gille H, Strahl T, Shaw PE.

  Current Biology 1995 Oct; 5(10):1191.

- ERK phosphorylation potentiates Elk-1-mediated ternary complex formation and transactivation.

  Gille H, Kortenjann M, Thomae O, Moomaw C, Slaughter C, Cobb MH, Shaw PE.

  The EMBO Journal 1995 Mar; 14(5):951.

  Application: Func, WB-Re, Monkey, COS cells, Recombinant proteins

Pathway

- Endometrial cancer
- ErbB signaling pathway
- Focal adhesion
- GnRH signaling pathway
- Insulin signaling pathway
- MAPK signaling pathway
- Prion diseases

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Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

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