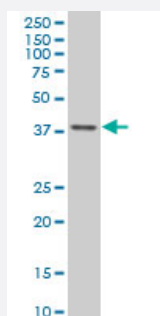


TFAP4 monoclonal antibody (M01), clone 6B1

Catalog # H00007023-M01

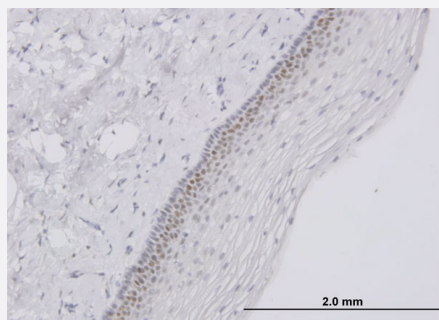
Size 100 ug

Applications



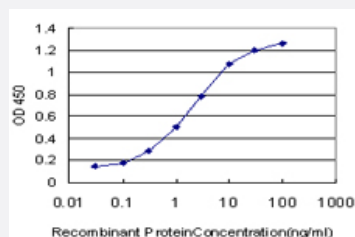
Western Blot (Cell lysate)

TFAP4 monoclonal antibody (M01), clone 6B1 Western Blot analysis of TFAP4 expression in HeLa S3 NE (Cat # L013V3).



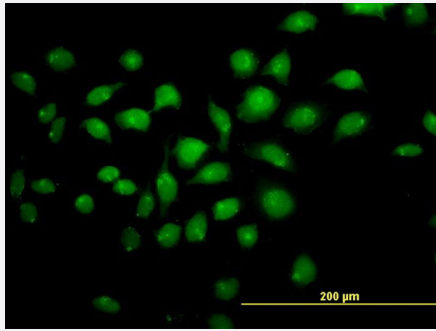
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to TFAP4 on formalin-fixed paraffin-embedded human uterine cervix. [antibody concentration 1 ug/ml]



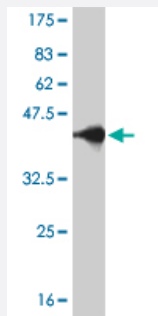
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TFAP4 is approximately 0.1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to TFAP4 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant TFAP4.
Immunogen	TFAP4 (NP_003214, 93 a.a. ~ 192 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AEYIFSLEQEKTRLLQQNTQLKRFIQELSGSSPKRRRAEDKDEGIGSPDWEDEKAEDLRREMIELRQQLDKERSVRMMLEEQVRSLEAHMYPEKLKVIA
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

TFAP4 monoclonal antibody (M01), clone 6B1 Western Blot analysis of TFAP4 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

Immunoperoxidase of monoclonal antibody to TFAP4 on formalin-fixed paraffin-embedded human uterine cervix. [antibody concentration 1 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TFAP4 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to TFAP4 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — TFAP4

Entrez GeneID	7023
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GeneBank Accession#	NM_003223
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Protein Accession#	NP_003214
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Gene Name	TFAP4
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Gene Alias	AP-4, bHLHc41
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Gene Description	transcription factor AP-4 (activating enhancer binding protein 4)
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Omim ID	600743
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Gene Ontology

[Hyperlink](#)

Gene Summary

Transcription factors of the basic helix-loop-helix-zipper (bHLH-ZIP) family contain a basic domain , which is used for DNA binding, and HLH and ZIP domains, which are used for oligomerization. Transcription factor AP4 activates both viral and cellular genes by binding to the symmetrical DNA sequence CAGCTG (Mermod et al., 1988 [PubMed 2833704]; Hu et al., 1990 [PubMed 2123466]). [supplied by OMIM]

Other Designations

transcription factor AP-4 (activating enhancer-binding protein 4)

Publication Reference

- [Transcription factor binding at Ig enhancers is linked to somatic hypermutation targeting.](#)

Dinesh RK, Barnhill B, Ilanges A, Wu L, Michelson DA, Senigl F, Alinikula J, Shabanowitz J, Hunt DF, Schatz DG.

European Journal of Immunology 2020 Mar; 50(3):380.

Application: WB-Ce, Human, Ramos A23 cells

- [Differential cellular responses by oncogenic levels of c-Myc expression in long-term confluent retinal pigment epithelial cells.](#)

Wang Y, Cheng X, Samma MK, Kung SKP, Lee CM, Chiu SK.

Molecular and Cellular Biochemistry 2017 Nov; [Epub].

Application: WB-Ce, Human, HEK 293T cells

- [Ectopic AP4 expression induces cellular senescence via activation of p53 in long-term confluent retinal pigment epithelial cells.](#)

Wang Y, Wong MM, Zhang X, Chiu SK.

Experimental Cell Research 2015 Nov; 339(1):135.

Application: WB, Human, RPE cells

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)