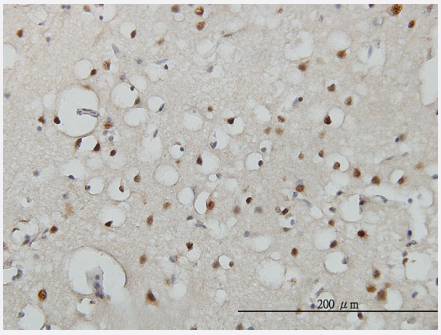
USF2 monoclonal antibody (M01), clone 5E9

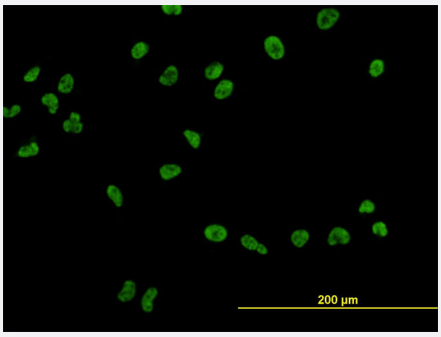
Catalog # H00007392-M01 Size 100 ug

Applications



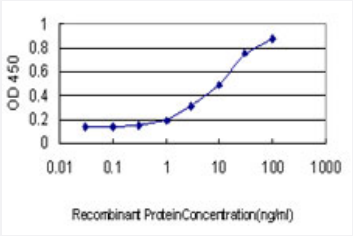
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to USF2 on formalin-fixed paraffin-embedded human cerebral cortex. [antibody concentration 1 ug/ml]



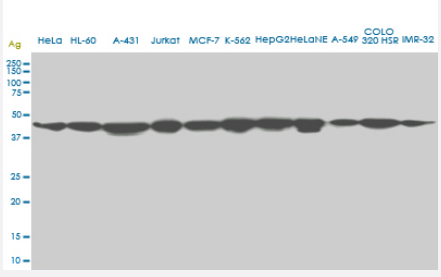
Immunofluorescence

Immunofluorescence of monoclonal antibody to USF2 on HeLa cell. [antibody concentration 10 ug/ml]



Sandwich ELISA (Recombinant protein)

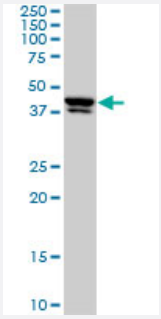
Detection limit for recombinant GST tagged USF2 is approximately 0.3ng/ml as a capture antibody.



Western Blot (Cell lysate)

USF2 monoclonal antibody (M01), clone 5E9. Western Blot analysis of USF2 expression in different cell lines.

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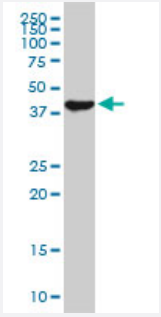
Western Blot (Cell lysate)

USF2 monoclonal antibody (M01), clone 5E9. Western Blot analysis of USF2 expression in Hela S3 NE (Cat # L013V3).



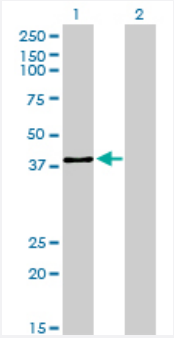
Western Blot (Cell lysate)

USF2 monoclonal antibody (M01), clone 5E9. Western Blot analysis of USF2 expression in HeLa.



Western Blot (Cell lysate)

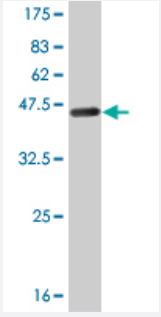
USF2 monoclonal antibody (M01), clone 5E9. Western Blot analysis of USF2 expression in PC-12 (Cat # L012V1).



Western Blot (Transfected lysate)

Western Blot analysis of USF2 expression in transfected 293T cell line by USF2 monoclonal antibody (M01), clone 5E9.

Lane 1: USF2 transfected lysate(37 KDa).
Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (36.74 KDa) .

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Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant USF2.
Immunogen	USF2 (NP_003358, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag a lone is 26 KDa.
Sequence	MDMLDPGLDPAASATAAAAASHDKGPEAEEGVELQEGGDGPGAEEQTAVAITSVQQAAFGDH NIQYQFRTETNGGQVTYRVVQVTDGQLDGQGDTAGAVS
Host	Mouse
Reactivity	Human, Rat
Interspecies Antigen Sequence	Mouse (96); Rat (96)
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

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

  Immunoperoxidase of monoclonal antibody to USF2 on formalin-fixed paraffin-embedded human cerebral cortex. [antibody concentration 1 ug/ml]

  Protocol Download

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to USF2 on HeLa cell. [antibody concentration 10 ug/ml]

  Protocol Download

- ELISA

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged USF2 is approximately 0.3ng/ml as a capture antibody.

  Protocol Download

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- Western Blot (Cell lysate)

  USF2 monoclonal antibody (M01), clone 5E9. Western Blot analysis of USF2 expression in different cell lines.

  Protocol Download

- Western Blot (Cell lysate)

  USF2 monoclonal antibody (M01), clone 5E9. Western Blot analysis of USF2 expression in Hela S3 NE (Cat # L013V3).

  Protocol Download

- Western Blot (Cell lysate)

  USF2 monoclonal antibody (M01), clone 5E9. Western Blot analysis of USF2 expression in HeLa.

  Protocol Download

- Western Blot (Cell lysate)

  USF2 monoclonal antibody (M01), clone 5E9. Western Blot analysis of USF2 expression in PC-12 (Cat # L012V1).

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of USF2 expression in transfected 293T cell line by USF2 monoclonal antibody (M01), clone 5E9.

  Lane 1: USF2 transfected lysate(37 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

Gene Info — USF2

Entrez GeneID	7392
GeneBank Accession#	NM_003367
Protein Accession#	NP_003358
Gene Name	USF2
Gene Alias	FIP, bHLHb12
Gene Description	upstream transcription factor 2, c-fos interacting

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Omim ID	600390
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the basic helix-loop-helix leucine zipper family, and can function as a cellular transcription factor. The encoded protein can activate transcription through pyrimidin e-rich initiator (Inr) elements and E-box motifs. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq
Other Designations	c-fos interacting protein|upstream stimulatory factor 2

Publication Reference

- Direct and indirect regulation of β-glucocerebrosidase by the transcription factors USF2 and ONECUT2.

  Kathi Ging, Lukas Frick, Johannes Schlachetzki, Andrea Armani, Yanping Zhu, Pierre-André Gilormini, Ashutosh Dhingra, Desirée Böck, Ana Marques, Matthew Deen, Xi Chen, Tetiana Serdiuk, Chiara Trevisan, Stefano Sellitto, Claudio Pisano, Christopher K Glass, Peter Heutink, Jiang-An Yin, David J Vocadlo, Adriano Aguzzi.

  NPJ Parkinson's Disease 2024 Oct; 10(1):192.

  Application: WB, Human, LN-229L444P cells

Disease

- Alzheimer disease
- Biliary Atresia
- Cardiovascular Diseases
- Choledochal Cyst
- Diabetes Complications
- Disease Progression
- Metabolic Syndrome X
- Neoplasms
- Osteoporosis

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