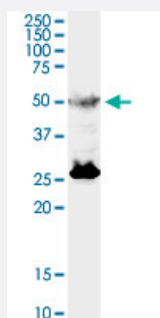


TFEB monoclonal antibody (M01), clone S1

Catalog # H00007942-M01

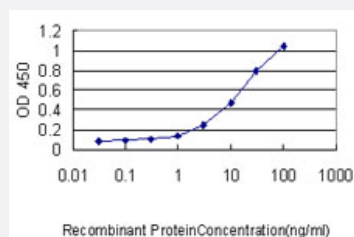
Size 100 ug

Applications



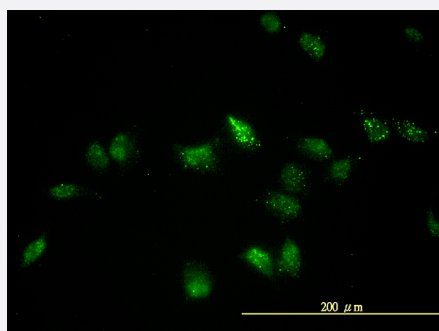
Western Blot (Tissue lysate)

TFEB monoclonal antibody (M01), clone S1. Western Blot analysis of TFEB expression in rat brain.



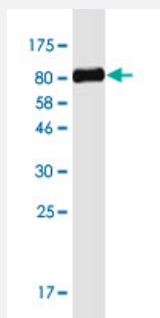
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TFEB is approximately 0.03ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to TFEB on HeLa cell. [antibody concentration 20 ug/ml]



Western Blot detection against Immunogen (78.1 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant TFEB.
Immunogen	TFEB (AAH32448, 1 a.a. ~ 476 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MASRIGLRMQLMREQAQQEEQRERMQQQAVMHYMQQQQQQQQLGGPPTPAINTPVHFAQSP PPVPGEVLVKVSYLENPTSYHLQQSQHQKVREYLSEYGNKFAAHISPAQGSPKPPPAASPGVR AGHVLSSSAGNSAPNSPMAMHLIGSNPERELDDVIDNIMRLDDVLGYINPEMQMPNTLPLSSSHL NVYSSDPQVTASLVGVTSSSCPADLTQKRELDAESRALAKERQKKNHNLIERRRRFNINDRIKE LGMLIPKANDLDVRWNKGITLKASVDYIRRMQKDLQKSRELENHSRRLEMTNKQLWLRIQELQEQ ARVHGLPTTSPSGMNMALAAQVVKQELPSEEGPGEALMLGAEVPDPEPLPALPPQAPLPLPT QPPSPFHHLDFSHLSFSGGREDEGPPGYPEPLAPGHGSPFPSLSKKDLMLLDDSLPLASDP LLSTMSPEASKASSRRSSFSMEEGDVL
Host	Mouse
Reactivity	Human, Rat
Interspecies Antigen Sequence	Mouse (93); Rat (94)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (78.1 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 (Tissue lysate)

TFEB monoclonal antibody (M01), clone S1. Western Blot analysis of TFEB expression in rat brain.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TFEB is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to TFEB on HeLa cell. [antibody concentration 20 ug/ml]

Gene Info — TFEB

Entrez GeneID	7942
---------------	----------------------

GeneBank Accession#	BC032448
---------------------	--------------------------

Protein Accession#	AAH32448
--------------------	--------------------------

Gene Name	TFEB
-----------	------

Gene Alias	AlphaTFEB, TCFEB, bHLHe35
------------	---------------------------

Gene Description	transcription factor EB
------------------	-------------------------

Omim ID	600744
---------	------------------------

Gene Ontology	Hyperlink
---------------	---------------------------

Other Designations	OTTHUMP00000043540 OTTHUMP00000043542 OTTHUMP00000071327 T-cell transcription factor EB
--------------------	---

Publication Reference

- [TFEB protein expression is reduced in aged brains and its overexpression mitigates senescence-associated biomarkers and memory deficits in mice.](#)

Hongjie Wang, Mohan Kumar Muthu Karuppan, Dinesh Devadoss, Madhavan Nair, Hitendra S Chand, Madepalli Krishnappa Lakshmana.

Neurobiology of Aging 2021 Oct; 106:26.

Application: WB-Ti, Mouse, Mouse brain

- [Proteomic Profiling of Iron-Treated Ovarian Cells Identifies AKT Activation, which Modulates the CLEAR Network.](#)

Rockfield S, Guergues J, Rehman N, Smith A, Bauckman KA, Stevens SM Jr, Nanjundan M.

Proteomics 2018 Sep; e1800244.

Application: IF, Human, HEY cells

- [Transcription Factor EB Is Selectively Reduced in the Nuclear Fractions of Alzheimer's and Amyotrophic Lateral Sclerosis Brains.](#)

Wang H, Wang R, Xu S, Lakshmana MK.

Neuroscience Journal 2016 Jun; 2016:4732837.

Application: WB-Ti, Human, Brain

- [TFEB Overexpression in the P301S Model of Tauopathy Mitigates Increased PHF1 Levels and Lipofuscin Puncta and Rescues Memory deficits.](#)

Wang H, Wang R, Carrera I, Xu S, Lakshmana MK.

eNeuro 2016 May; 3(2):e0042-16.2.

Application: WB-Ti, Mouse, Cortex, Hippocampus, Thalamus, Brainstem, Cerebellum

- [Neuraminidase of influenza A virus binds LAMPs directly and induces lysosome rupture.](#)

Ju X, Yan Y, Liu Q, Li N, Sheng M, Zhang L, Li X, Liang Z, Huang F, Liu K, Zhao Y, Zhang Y, Zou Z, Du J, Zhong Y, Zhou H, Yang P, Lu H, Tian M, Li D, Zhang J, Jin N, Jiang C.

Journal of Virology 2015 Oct; 89(20):10347.

Application: Immunoblot, Human, A549 cells