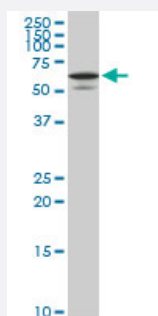


STXBP1 monoclonal antibody (M01), clone 6D1

Catalog # H00006812-M01

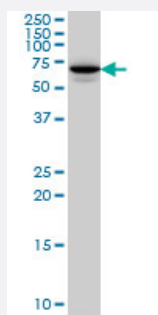
Size 100 ug

Applications



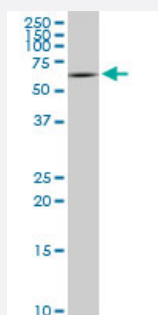
Western Blot (Cell lysate)

STXBP1 monoclonal antibody (M01), clone 6D1. Western Blot analysis of STXBP1 expression in Raw 264.7 (Cat # L024V1).



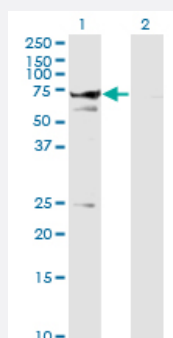
Western Blot (Cell lysate)

STXBP1 monoclonal antibody (M01), clone 6D1 Western Blot analysis of STXBP1 expression in HeLa (Cat # L013V1).



Western Blot (Cell lysate)

STXBP1 monoclonal antibody (M01), clone 6D1. Western Blot analysis of STXBP1 expression in NIH/3T3 (Cat # L018V1).

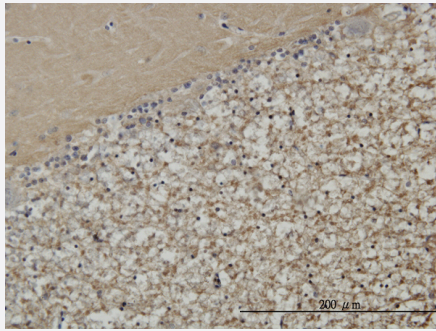


Western Blot (Transfected lysate)

Western Blot analysis of STXBP1 expression in transfected 293T cell line by STXBP1 monoclonal antibody (M01), clone 6D1.

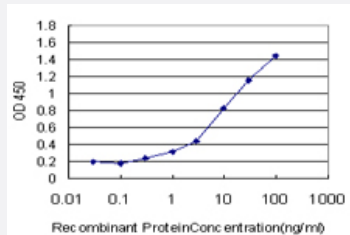
Lane 1: STXBP1 transfected lysate (Predicted MW: 68.7 KDa).

Lane 2: Non-transfected lysate.



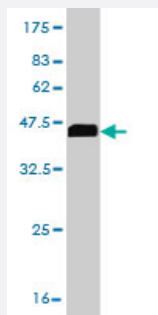
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to STXBP1 on formalin-fixed paraffin-embedded human cerebellum. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STXBP1 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.19 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant STXBP1.
Immunogen	STXBP1 (NP_003156, 74 a.a. ~ 168 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	VYLITPSEKSVHSLISDFKDPPTAKYRAAHVFFTDSCPDALFNELVKSRAAKVIKLTLEINAFLPYES QVYSLDSADSFQSFYSPHKAQMKNPI
Host	Mouse
Reactivity	Human, Mouse
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.19 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)

STXBP1 monoclonal antibody (M01), clone 6D1. Western Blot analysis of STXBP1 expression in Raw 264.7 (Cat # L024V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

STXBP1 monoclonal antibody (M01), clone 6D1 Western Blot analysis of STXBP1 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

STXBP1 monoclonal antibody (M01), clone 6D1. Western Blot analysis of STXBP1 expression in NIH/3T3 (Cat # L018V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of STXBP1 expression in transfected 293T cell line by STXBP1 monoclonal antibody (M01), clone 6D1.

Lane 1: STXBP1 transfected lysate (Predicted MW: 68.7 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

Immunoperoxidase of monoclonal antibody to STXBP1 on formalin-fixed paraffin-embedded human cerebellum. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STXBP1 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — STXBP1

Entrez GeneID	6812
GeneBank Accession#	NM_003165
Protein Accession#	NP_003156
Gene Name	STXBP1
Gene Alias	EIEE4, MUNC18-1, UNC18, hUNC18, rbSec1
Gene Description	syntaxin binding protein 1
Omim ID	602926
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000022196 OTTHUMP00000022197 syntaxin-binding protein 1

Publication Reference

- [Myosin Va, a Novel Interaction Partner of STXBP1, Is Required to Transport Syntaxin1A to the Plasma Membrane.](#)
Yoshihiro Taura, Takenori Tozawa, Takahiro Fujimoto, Eisuke Ichise, Tomohiro Chiyonobu, Kyoko Itoh, Tomoko Iehara.
Neuroscience 2023 Jun; 524:256.

Application: IF, Mouse, Mouse hippocampal neurons
- [MUNC18-1 gene abnormalities are involved in neurodevelopmental disorders through defective cortical architecture during brain development.](#)
Hamada N, Iwamoto I, Tabata H, Nagata KI.
Acta Neuropathologica Communications 2017 Nov; 5(1):92.

Application: IF, Mouse, Mouse brain

Disease

- [Epilepsy](#)

- [Mental Retardation](#)