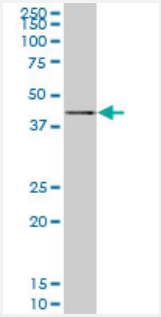
SAV1 monoclonal antibody (M02), clone 3B2

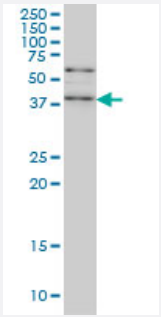
Catalog # H00060485-M02 Size 100 ug

Applications



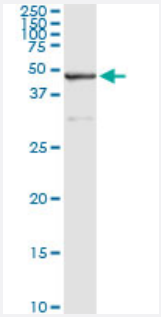
Western Blot (Cell lysate)

SAV1 monoclonal antibody (M02), clone 3B2. Western Blot analysis of SAV1 expression in HepG2 (Cat # L019V1).



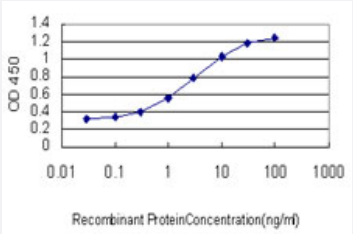
Western Blot (Cell lysate)

SAV1 monoclonal antibody (M02), clone 3B2 Western Blot analysis of SAV1 expression in Hela S3 NE (Cat # L013V3).



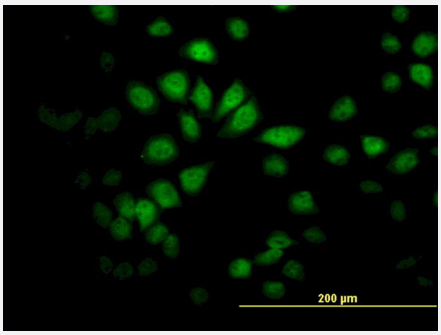
Immunoprecipitation

Immunoprecipitation of SAV1 transfected lysate using anti-SAV1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with SAV1 MaxPab rabbit polyclonal antibody.



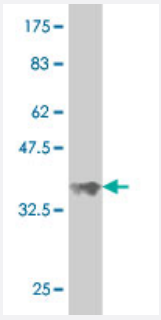
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SAV1 is approximately 0.1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to SAV1 on HeLa cell. [antibody concentration 60 ug/ml]



Western Blot detection against Immunogen (34.98 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant SAV1.
Immunogen	SAV1 (NP_068590, 300 a.a. ~ 383 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	HTAEIPDWLQVYARAPVKYDHILKWELFQLADLDTYQGMLKLLFMKELEQIVKMYEAYRQALLTELENRKQRQQWYAQQHGKNF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (94)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.98 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)

  SAV1 monoclonal antibody (M02), clone 3B2. Western Blot analysis of SAV1 expression in HepG2 (Cat # L019V1).

  Protocol Download

- Western Blot (Cell lysate)

  SAV1 monoclonal antibody (M02), clone 3B2 Western Blot analysis of SAV1 expression in Hela S3 NE (Cat # L013V3).

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Immunoprecipitation

  Immunoprecipitation of SAV1 transfected lysate using anti-SAV1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with SAV1 MaxPab rabbit polyclonal antibody.

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged SAV1 is approximately 0.1ng/ml as a capture antibody.

  Protocol Download

- ELISA

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to SAV1 on HeLa cell. [antibody concentration 60 ug/ml]

Gene Info — SAV1

Entrez GeneID	60485
GeneBank Accession#	NM_021818
Protein Accession#	NP_068590
Gene Name	SAV1

Gene Alias	SAV, WW45, WWP4
Gene Description	salvador homolog 1 (Drosophila)
Omim ID	607203
Gene Ontology	Hyperlink
Gene Summary	WW domain-containing proteins are found in all eukaryotes and play an important role in the regul ation of a wide variety of cellular functions such as protein degradation, transcription, and RNA spl icing. This gene encodes a protein which contains 2 WW domains and a coiled-coil region. It is u biquitously expressed in adult tissues. The encoded protein is 94% identical to the mouse protein at the amino acid level. [provided by RefSeq
Other Designations	1700040G09Rik|WW domain-containing|WW45 protein

Publication Reference

- Mammalian Hippo kinase pathway is downregulated by BCL-2 via protein degradation.

  Won GW, Park SH, Park J, Lee Y, Lee YH.

  Biochemical and Biophysical Research Communications 2019 Apr; 512(1):87.

  Application: WB-Tr, Human, HEK 293, SH-SY5Y cells

- FGF15 Activates Hippo Signaling to Suppress Bile Acid Metabolism and Liver Tumorigenesis.

  Ji S, Liu Q, Zhang S, Chen Q, Wang C, Zhang W, Xiao C, Li Y, Nian C, Li J, Li J, Geng J, Hong L, Xie C, He Y, Chen X, Li X, Yin ZY, You H, Lin KH, Wu Q, Yu C, Johnson RL, Wang L, Chen L, Wang F, Zhou D.

  Developmental Cell 2019 Feb; 48(4):460.

  Application: WB, Human, Human mammalian cells

- Kidney-specific knockout of Sav1 in the mouse promotes hyper-proliferation of renal tubular epithelium through suppression of the Hippo pathway.

  Kai T, Tsukamoto Y, Hijiya N, Tokunaga A, Nakada C, Uchida T, Daa T, Iha H, Takahashi M, Nomura T, Sato F, Mimata H, Ikawa M, Seto M, Matsuura K, Moriyama M.

  The Journal of Pathology 2016 Mar; 239(1):97.

  Application: IF, IHC-P, Mouse, Kidney

- Hippo signaling mediates proliferation, invasiveness and metastatic potential of clear cell renal cell carcinoma.

  Schutte U, Bisht S, Heukamp LC, Kebschull M, Florin A, Haarmann J, Hoffmann P, Bendas G, Buettner R, Brossart P, Feldmann G.

  Translational Oncology 2014 Apr; 7(2):309.

  Application: IHC-P, Human, Clear cell renal cell carcinoma

- Screening of binding proteins that interact with human Salvador 1 in a human fetal liver cDNA library by the yeast two-hybrid system.

  Li X, Luo X, Li Z, Wang G, Xiao H, Tao D, Gong J, Hu J.

  Molecular Biology Reports 2012 Aug; 39(8):8225.

  Application: WB, Yeast, Yeast

- Mammalian Ste20-Like Kinase and SAV1 Promote 3T3-L1 Adipocyte Differentiation by Activation of PPARγ.

  Park BH, Kim DS, Won GW, Jeon HJ, Oh BC, Lee Y, Kim EG, Lee YH.

  PLoS One 2012 Jan; 7(1):e30983.

  Application: WB-Ce, Mouse, 3T3-L1 adipocyte

- LATS2 Is a Tumor Suppressor Gene of Malignant Mesothelioma.

  Murakami H, Mizuno T, Taniguchi T, Fujii M, Ishiguro F, Fukui T, Akatsuka S, Horio Y, Hida T, Kondo Y, Toyokuni S, Osada H, Sekido Y.

  Cancer Research 2011 Feb; 71(3):873.

  Application: IF, WB-Ce, Human, Met-5A, NCI-H290, Y-MESO-14, Y-MESO-27, Y-MESO-30 cells

- Components of the Hippo pathway cooperate with Nek2 kinase to regulate centrosome disjunction.

  Mardin BR, Lange C, Baxter JE, Hardy T, Scholz SR, Fry AM, Schiebel E.

  Nature Cell Biology 2010 Dec; 12(12):1166.

  Application: WB-Tr, Human, RPE-1 cells