

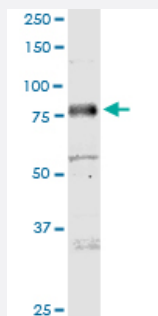
MaxPab®

MICAL-L1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00085377-B01P

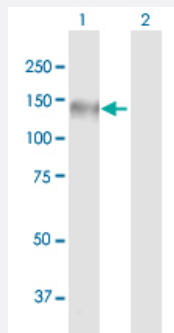
Size 50 ug

Applications



Western Blot (Cell lysate)

MICAL-L1 MaxPab polyclonal antibody. Western Blot analysis of MICAL-L1 expression in HepG2.



Western Blot (Transfected lysate)

Western Blot analysis of MICAL-L1 expression in transfected 293T cell line ([H00085377-T01](#)) by MICAL-L1 MaxPab polyclonal antibody.

Lane 1: MICAL-L1 transfected lysate(94.93 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human MICAL-L1 protein.

Immunogen

MICAL-L1 (AAI48805.1, 1 a.a. ~ 863 a.a) full-length human protein.

Sequence	MAGPRGALLAWCRRQCEGYRGVEIRDLSSSFRLDGLAFCAILHRHRPDLLDFDSLSDNVFENNR LAFEVAEKELGIPALLDPNDMVSMSVPDCLSIMTYVSQYYNHFCSPGQAGVSPPRKGLAPCSPP SVAPTPVEPEDVAQGEELSSGSLSEQGTGQTPSSTCAACQQHVHLVQRYLADGRLYHRHCFRC RRCSTLLPGAYENGPEEGTFVCAEHCARLGPGTRSGTRPGPFSQPKQQHQQQLAEDAKDVP GGPSSSAPAGAEADGPKASPEARPIPTKPRVPGKLQELASPPAGRPTAPRKASESTTPAPPT PRPRSSLQQENLVEQAGSSSLVNGRLHELPVPKPRGTPKPSSEGTAPRKDPPWITLVQAEPKKK PAPLPPSSSPGPPSQDSRQVENGGTEEVAQPSPTASLESKPYNPFEEEEEDKEEEAPAAPSLA TSPALGHPESTPKSLHPWYGITPTSSPKTKRPAPRAPASPLALHASRLSHSEPPSATPSPALS VESLSSESASQTAGAELLEPPAVPKSSSEPAVHAPGTPGNPVSLSSTNSSLASSGELVEPRVEQ MPQASPLAPRTRGSSGPQAKPCSGATPTPLLLVGDRSPVSPGSSSPQLQVKSSCKENPFN RKPSPAASPAATKATKGSKPVRPPAPGHGFPLIKRKVQADQYIPEEDIHGEMDTIERRLDALEHRG VLLEEKLRGGLNEGREDMLVDWFKLIHEKHLLVRRESELYVFKQQNLEQRQADVEYELRCLLN KPEKDWTEEDRAREKVLQMELVTLIEQRNAIINCLDEDRQREEEEDKMLEAMIKKKEFQREAEPE GKKKGKFKTMKMLKLLGNKRDAKSKSPRDKS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (77); Rat (77)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
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)

MICALL1 MaxPab polyclonal antibody. Western Blot analysis of MICALL1 expression in HepG2.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of MICALL1 expression in transfected 293T cell line ([H00085377-T01](#)) by MICALL1 MaxPab polyclonal antibody.

Lane 1: MICAL-L1 transfected lysate(94.93 KDa).
Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — MICALL1

Entrez GeneID	85377
GeneBank Accession#	BC148804
Protein Accession#	AA48805.1
Gene Name	MICAL1
Gene Alias	DKFZp686M2226, FLJ45921, KIAA1668, MICAL-L1, MIRAB13
Gene Description	MICAL-like 1
Gene Ontology	Hyperlink
Other Designations	molecule interacting with Rab13

Publication Reference

- [Disruptions in endocytic traffic contribute to the activation of the NLRP3 inflammasome.](#)

Bali Lee, Christopher Hoyle, Rose Wellens, Jack P Green, Fatima Martin-Sanchez, Daniel M Williams, Billie J Matchett, Paula I Seoane, Hayley Bennett, Antony Adamson, Gloria Lopez-Castejon, Martin Lowe, David Brough.

Science Signaling 2023 Feb; 16(773):eabm7134.

Application: IF, African Green Monkey , COS7 cells

- [Mutations in LRRK2 linked to Parkinson disease sequester Rab8a to damaged lysosomes and regulate transferrin-mediated iron uptake in microglia.](#)

Adamantios Mamais, Jillian H. Kluss, Luis Bonet-Ponce, Natalie Landeck, Rebekah G. Langston, Nathan Smith, Alexandra Beilina, Alice Kaganovich, Manik C. Ghosh, Laura Pellegrini, Ravindran Kumaran, Ioannis Papazoglou, George R. Heaton, Rina Bandopadhyay, Nunziata Maio, Changyoun Kim, Matthew J. LaVoie, David C. Gershlick, Mark R. Cookson.

PLoS Biology 2021 Dec; 19(12):e3001480.

Application: WB-Ce, Human, HEK293T cells

- [Defining the protein and lipid constituents of tubular recycling endosomes.](#)

Trey Farmer, Shuwei Xie, Naava Naslavsky, Jacqueline Stöckli, David E James, Steve Caplan.

The Journal of Biological Chemistry 2020 Dec; 296:100190.

Application: IF, Human, Mouse, HeLa cells, MEFs

- [Rab10 regulates tubular endosome formation through KIF13A/B motors.](#)

Etoh K, Fukuda M.

Journal of Cell Science 2019 Feb; 132(5): jcs226977.

Application: IF, WB, Human , HeLa cells

- [Diacylglycerol kinase \$\alpha\$ regulates tubular recycling endosome biogenesis and major histocompatibility complex class I recycling.](#)

Xie S, Naslavsky N, Caplan S.

The Journal of Biological Chemistry 2014 Nov; 289(46):31914.

Application: IF, IP-WB, WB-Tr, Human, HeLa cells

- [Rab35 promotes the recruitment of Rab8, Rab13 and Rab36 to recycling endosomes through MICAL-L1 during neurite outgrowth.](#)

Kobayashi H, Etoh K, Ohbayashi N, Fukuda M.

Biology Open 2014 Aug; 3(9):803.

Application: IF, WB-Tr, Rat, PC12 cells

- [Rab35 establishes the EHD1-association site by coordinating two distinct effectors during neurite outgrowth.](#)

Kobayashi H, Fukuda M.

Journal of Cell Science 2013 Jun; 126(Pt 11):2424.

Application: IF, WB-Tr, Mouse, PC-12 cells

- [MICAL-L1 Links EHD1 to Tubular Recycling Endosomes and Regulates Receptor Recycling.](#)

Sharma M, Giridharan SS, Rahajeng J, Naslavsky N, Caplan S.

Molecular Biology of the Cell 2009 Dec; 20(24):5181.

Application: IF, WB-Tr, Human, HeLa cells