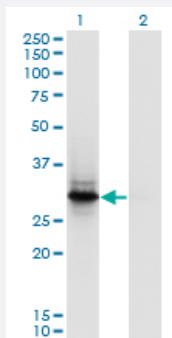


FYCO1 polyclonal antibody (A01)

Catalog # H00079443-A01

Size 50 uL

Applications

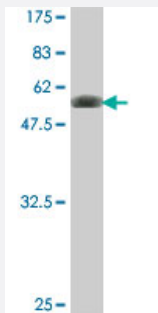


Western Blot (Transfected lysate)

Western Blot analysis of FYCO1 expression in transfected 293T cell line by FYCO1 polyclonal antibody (A01).

Lane1:FYCO1 transfected lysate (Predicted MW: 29.2 KDa).

Lane2:Non-transfected lysate.



Western Blot detection against Immunogen (54.16 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant FYCO1.
Immunogen	FYCO1 (AAH07218, 1 a.a. ~ 255 a.a) full-length recombinant protein with GST tag.
Sequence	MNTKVTSDWYYARSPFLQPKLSSDIVGQLYELTEVQFDLASRGFDLDAAWPTFARRTLTTGSSAY LWKPPSRSSSMSSLVSSYLQTQEMVSNFDLNSPLNNEALEGFDEMRLELDQLEVREKQLQERM QQLDRENQELRAAVSQGGEQLQTERERGRATAEDNVRLTCLVAELQKQWEVTQATQNTVKELQ TCLQALELGAAEKEEDYHTALRRLESMLQPLAQELEATRDSLDKKNQHLASFPGWLAMALHVGD
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence

Mouse (72); Rat (73)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (54.16 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of FYCO1 expression in transfected 293T cell line by FYCO1 polyclonal antibody (A01).

Lane1:FYCO1 transfected lysate (Predicted MW: 29.2 KDa).

Lane2:Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — FYCO1

Entrez GeneID[79443](#)**GeneBank Accession#**[BC007218](#)**Protein Accession#**[AAH07218](#)**Gene Name**

FYCO1

Gene Alias

DKFZp779K1152, FLJ13335, MGC126517, MGC126519, RUFY3, ZFYVE7

Gene Description

FYVE and coiled-coil domain containing 1

Omim ID[607182](#)**Gene Ontology**[Hyperlink](#)**Other Designations**

OTTHUMP00000164650|RUN and FYVE domain containing 3

Publication Reference

- [Protrudin-mediated ER-endosome contact sites promote phagocytosis.](#)

Liv Anker Elfmark, Eva Maria Wenzel, Ling Wang, Nina Marie Pedersen, Harald Stenmark, Camilla Raiborg.

Cellular and Molecular Life Sciences : CMLS 2023 Jul; 80(8):216.

Application: IF, Human, RPE1 cells

- [Loss of FYCO1 leads to cataract formation.](#)

Kiyotoshi Satoh, Yukitoshi Takemura, Motohiko Satoh, Kiyokazu Ozaki, Shunichiro Kubota.

Scientific Reports 2021 Jul; 11(1):13771.

Application: WB-Ce, WB-Ti, WB-Tr, Mouse, MEFs, Mouse brain, Mouse eye, Mouse heart, Mouse liver, Mouse lung, Mouse skeletal muscle, Mouse spleen

- [Protrudin-mediated ER-endosome Contact Sites Promote MT1-MMP Exocytosis and Cell Invasion.](#)

Nina Marie Pedersen, Eva Maria Wenzel, Ling Wang, Sandra Antoine, Philippe Chavrier, Harald Stenmark, Camilla Raiborg.

The Journal of Cell Biology 2020 Aug; 219(8):e202003063.

Application: IF, WB-Tr, Human, MDA-MB-231 cells

- [PtdIns3P controls mTORC1 signaling through lysosomal positioning.](#)

Hong Z, Pedersen NM, Wang L, Torgersen ML, Stenmark H, Raiborg C.

Journal of Cellular Biology 2017 Oct; 216(12):4217.

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

- [FYCO1 is a Rab7 effector that binds to LC3 and PI3P to mediate microtubule plus end-directed vesicle transport.](#)

Pankiv S, Alemu EA, Brech A, Bruun JA, Lamark T, Overvatn A, Bjorkoy G, Johansen T.

The Journal of Cell Biology 2010 Jan; 188(2):253.

Application: IF, WB-Tr, Human, HeLa cells, Mouse embryonic fibroblasts

Disease

- [Tobacco Use Disorder](#)