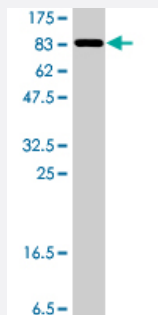


CEP55 polyclonal antibody (A01)

Catalog # H00055165-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (77.15 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant CEP55.
Immunogen	CEP55 (AAH08947, 1 a.a. ~ 464 a.a) full-length recombinant protein with GST tag.
Sequence	MSSRSTKDLISKWGSKPSNSKSETTLEKLKGEIAHLKASVDEITSGKGKLTDKERHRLLEKIRVLE AEKEKNAYQLTEKDKEIQRLRDQLKARYSTTALLEQLEETTREGERRQVLKALSEEKDVLKQQL SAATSRIAELESKTNTLRLSQTVAPNCFNSSINNIHEMEIQLKDALEKNQQWLVDQDQREVYVKGLL AKIFELEKKTETAHSLPQQTKKPESEGYLQEEKQKCYNDLLASAKKDLEVERQTITQLSFELSEF RRKYEETQKEVHNLNQLLYSQRRADVQHLEDDRHKTEKIQKLREENDIARGKLEEEKRSEELLS QVQFLYTSLLKQQEEQTRVALLEQQMQACTLDFENEKLDRQHVQHQLLVILKELRKARNQITQLES LKQLHEFAITEPLVTFQGETENREKVAASPKSPTAALNESLVECPKCNQYPATEHRDLLVHVEYC SK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (75); Rat (76)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (77.15 KDa) .
Storage Buffer	50 % glycerol

Storage Instruction

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

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CEP55

Entrez GeneID	55165
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GeneBank Accession#	BC008947
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Protein Accession#	AAH08947
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Gene Name	CEP55
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Gene Alias	C10orf3, FLJ10540, URCC6
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Gene Description	centrosomal protein 55kDa
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Omim ID	610000
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Gene Ontology	Hyperlink
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Other Designations	OTTHUMP00000020117 up-regulated in colon cancer 6
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Publication Reference

- [Vesicle-mediated transport of ALIX and ESCRT-III to the intercellular bridge during cytokinesis.](#)

Sascha Pust, Andreas Brech, Catherine Sem Wegner, Harald Stenmark, Kaisa Haglund.

Cellular and Molecular Life Sciences : CMLS 2023 Jul; 80(8):235.

Application: WB, IF, Human, HeLa cells

- [AKTIP interacts with ESCRT I and is needed for the recruitment of ESCRT III subunits to the midbody.](#)

Chiara Merigliano, Romina Burla, Mattia La Torre, Simona Del Giudice, Hsiangling Teo, Chong Wai Liew, Alexandre Chojnowski, Wah Ing Goh, Yolanda Olmos, Klizia Maccaroni, Maria Giubettini, Irene Chiolo, Jeremy G Carlton, Domenico Raimondo, Fiammetta Verni, Colin L Stewart, Daniela Rhodes, Graham D Wright, Brian E Burke, Isabella Saggio.

PLoS Genetics 2021 Aug; 17(8):e1009757.

Application: IF, Human, HeLa cells

- [CEP55 promotes cilia disassembly through stabilizing Aurora A kinase.](#)

Yu-Cheng Zhang, Yun-Feng Bai, Jin-Feng Yuan, Xiao-Lin Shen, Yu-Ling Xu, Xiao-Xiao Jian, Sen Li, Zeng-Qing Song, Huai-Bin Hu, Pei-Yao Li, Hai-Qing Tu, Qiu-Ying Han, Na Wang, Ai-Ling Li, Xue-Min Zhang, Min Wu, Tao Zhou, Hui-Yan Li.

The Journal of Cell Biology 2021 Feb; 220(2):e202003149.

Application: WB-Ce, WB-Tr, Human, Mouse, HEK 293T, MEFs, RPE-1 cells

- [The post-abscission midbody is an intracellular signaling organelle that regulates cell proliferation.](#)

Peterman E, Gibieža P, Schafer J, Skeberdis VA, Kaupinis A, Valius M, Heiligenstein X, Hurbain I, Raposo G, Prekeris R.

Nature Communications 2019 Jul; 10(1):3181.

Application: WB-Tr, Human, HeLa cells

- [Plk1 negatively regulates PRC1 to prevent premature midzone formation before cytokinesis.](#)

Hu CK, Ozlü N, Coughlin M, Steen JJ, Mitchison TJ.

Molecular Biology of the Cell 2012 Jul; 23(14):2702.

Application: IF, Human, HeLa cells

- [Midbody Assembly and its Regulation during Cytokinesis.](#)

Hu CK, Coughlin M, Mitchison TJ.

Molecular Biology of the Cell 2012 Jan; 23(6):1024.

Application: IF, Human, HeLa

- [Midbody accumulation through evasion of autophagy contributes to cellular reprogramming and tumorigenicity.](#)

Kuo TC, Chen CT, Baron D, Onder TT, Loewer S, Almeida S, Weismann CM, Xu P, Houghton JM, Gao FB, Daley GQ, Doxsey S.

Nature Cell Biology 2011 Sep; 13(10):1214.

Application: IF, IP, WB-Tr, Mouse, MEFs, U-2 OS cells

- [PtdIns\(3\)P controls cytokinesis through KIF13A-mediated recruitment of FYVE-CENT to the midbody.](#)

Sagona AP, Nezis IP, Pedersen NM, Liestol K, Poulton J, Rusten TE, Skotheim RI, Raiborg C, Stenmark H.

Nature Cell Biology 2010 Apr; 12(4):362.

Application: IF, Human, HeLa cells

- [Expression of FLJ10540 is correlated with aggressiveness of oral cavity squamous cell carcinoma by stimulating cell migration and invasion through increased FOXM1 and MMP-2 activity.](#)

Chen CH, Chien CY, Huang CC, Hwang CF, Chuang HC, Fang FM, Huang HY, Chen CM, Liu HL, Huang CY.

Oncogene 2009 Jul; 28(30):2723.

Application: WB-Ti, WB-Tr, Human, FaDu cells, HEK 293T cells, Human oral cancer

- [Essential Role of hIST1 in Cytokinesis.](#)

Agromayor M, Carlton JG, Phelan JP, Matthews DR, Carlin LM, Ameer-Beg S, Bowers K, Martin-Serrano J.

Molecular Biology of the Cell 2009 Mar; 20(5):1374.

Application: WB-Tr, Human, HeLa cells

- [Differential requirements for Alix and ESCRT-III in cytokinesis and HIV-1 release.](#)

Carlton JG, Agromayor M, Martin-Serrano J.

PNAS 2008 Jul; 105(30):10541.

Application: WB, Human, HeLa cells

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)