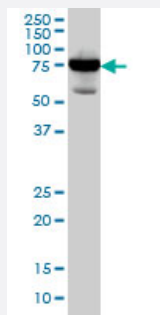


RDX monoclonal antibody (M06), clone 1D9

Catalog # H00005962-M06

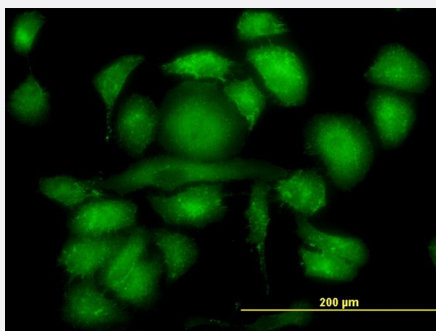
Size 100 ug

Applications



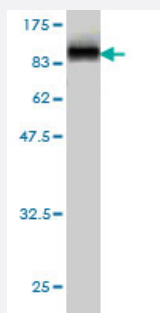
Western Blot (Cell lysate)

RDX monoclonal antibody (M06), clone 1D9 Western Blot analysis of RDX expression in HeLa (Cat # L013V1).



Immunofluorescence

Immunofluorescence of monoclonal antibody to RDX on HeLa cell. [antibody concentration 30 ug/ml]



Western Blot detection against Immunogen (89.87 kDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant RDX.

Immunogen	RDX (AAH47109, 1 a.a. ~ 583 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MPKPINVRVTTMDAELEFAIQPNTTGKQLFDQVVKTVGLREVWFFGLQYVDSKGYSTWLKLNKKV TQQDVKKENPLQFKFRAKFFPEDVSEELIQEITQRLFFLQVKEAILNDEIYCPPETAVLLASYAVQA KYGDYNKEIHKPGYLANDRLLPQRVLEQHKLTKEQWEERIQNWHEEHrgMLREDSMMEYLKIAQ DLEMYGVNYFEIKNKKGTelWLGVDALGLNIYEHDDKLTPKIGFPWSEIRNISFNDKKFVIKPIDKKA PDFVFYAPRLRINKRILALCMGNHELYMRRRKPDTEVQQMKAAQAREEKHQKQLERAQLENEKEK REIAEKEKERIEREKEELMERLkQIEEQTIKAQKELEEQTRKAELDQERKRAKEEAERLEKERRA AEEAKSAIAKQAADQMKNQEQLAAELAEFTAKIALLEEAKKKKEEEATEWQHKAFAAQEDLEKT KEELKTVMSAPPPPPPPVIPPTENEHDEHDENNAEASAELSNEGVMNHRSEEEERVtETQKNER VKKQLQALSSELAQARDETKKTQNDVLHAENVKAGRDKYKTLRQIRQGNTKQRIDEFEAM
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (89.87 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)

RDX monoclonal antibody (M06), clone 1D9 Western Blot analysis of RDX expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to RDX on HeLa cell. [antibody concentration 30 ug/ml]

Gene Info — RDX

Entrez GeneID	5962
GeneBank Accession#	BC047109
Protein Accession#	AAH47109
Gene Name	RDX
Gene Alias	DFNB24
Gene Description	radixin
Omim ID	179410 611022
Gene Ontology	Hyperlink
Gene Summary	Radixin is a cytoskeletal protein that may be important in linking actin to the plasma membrane. It is highly similar in sequence to both ezrin and moesin. The radixin gene has been localized by fluorescence in situ hybridization to 11q23. A truncated version representing a pseudogene (RDXP2) was assigned to Xp21.3. Another pseudogene that seemed to lack introns (RDXP1) was mapped to 11p by Southern and PCR analyses. [provided by RefSeq]
Other Designations	-

Publication Reference

- [ANKRD24 organizes TRIOBP to reinforce stereocilia insertion points.](#)

Jocelyn F Krey, Chang Liu, Inna A Belyantseva, Michael Bateschell, Rachel A Dumont, Jennifer Goldsmith, Paroma Chatterjee, Rachel S Morrill, Lev M Fedorov, Sarah Foster, Jinkyung Kim, Alfred L Nuttall, Sherri M Jones, Dongseok Choi, Thomas B Friedman, Anthony J Ricci, Bo Zhao, Peter G Barr-Gillespie.

The Journal of Cell Biology 2022 Apr; 221(4):e20210913.

Application: ICC, Mouse, Mouse hair cells

- [Ca 2+ entry through mechanotransduction channels localizes BAIAP2L2 to stereocilia tips.](#)

Julia Halford, Michael Bateschell, Peter G Barr-Gillespie.

Molecular Biology of the Cell 2022 Apr; 33(4):br6.

Application: PLA, Mouse, Mouse hair cells

- [Radixin modulates the function of outer hair cell stereocilia.](#)

Sonal Prasad, Barbara Vona, Marta Diñeiro, María Costales, Rocío González-Aguado, Ana Fontalba, Clara Diego-Pérez, Asli Subasioglu, Guney Bademci, Mustafa Tekin, Rubén Cabanillas, Juan Cadiñanos, Anders Fridberger.

Communications Biology 2020 Dec; 3(1):792.

Application: IF, IHC, Guinea pig, Guinea pig cochlear hair cells

- [Radixin inhibition decreases adult neural progenitor cell migration and proliferation in vitro and in vivo.](#)

Persson A, Lindberg OR, Kuhn HG.

Frontiers in Cellular Neuroscience 2013 Sep; 7:161.

Application: IF, Rat, Brain

- [Radixin expression in microglia after cortical stroke lesion.](#)

Persson A, Osman A, Bolouri H, Mallard C, Kuhn HG.

Glia 2013 May; 61(5):790.

Application: IHC, Mouse, Mouse brain

- [Molecular architecture of the chick vestibular hair bundle.](#)

Shin JB, Krey JF, Hassan A, Metlagel Z, Tauscher AN, Pagana JM, Sherman NE, Jeffery ED, Spinelli KJ, Zhao H, Wilmarth PA, Choi D, David LL, Auer M, Barr-Gillespie PG.

Nature Neuroscience 2013 Jan; 16(3):365.

Application: IF, Chicken, Hair bundles

- [Large membrane domains in hair bundles specify spatially constricted radixin activation.](#)

Zhao H, Williams DE, Shin JB, Brügger B, Gillespie PG.

Journal of Neuroscience 2012 Mar; 32(13):4600.

Application: ICC, IF, Chicken, Hair bundles

Pathway

- [Regulation of actin cytoskeleton](#)

Disease

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