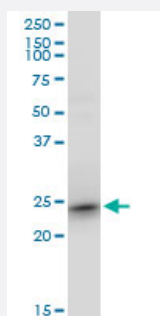


RRAS2 monoclonal antibody (M01), clone 2D3-4B8

Catalog # H00022800-M01

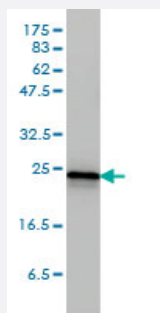
Size 100 ug

Applications



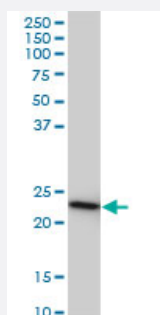
Western Blot (Cell lysate)

RRAS2 monoclonal antibody (M01), clone 2D3-4B8. Western Blot analysis of RRAS2 expression in NIH/3T3 (Cat # L018V1).



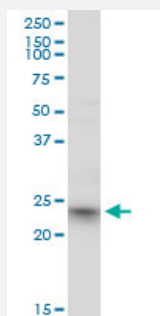
Western Blot (Cell lysate)

RRAS2 monoclonal antibody (M01), clone 2D3-4B8. Western Blot analysis of RRAS2 expression in A-431 (Cat # L015V1).



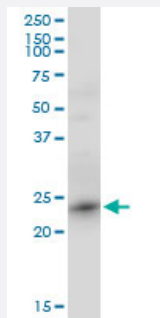
Western Blot (Cell lysate)

RRAS2 monoclonal antibody (M01), clone 2D3-4B8. Western Blot analysis of RRAS2 expression in HeLa (Cat # L013V1).



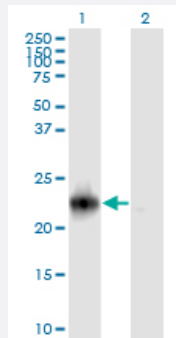
Western Blot (Cell lysate)

RRAS2 monoclonal antibody (M01), clone 2D3-4B8. Western Blot analysis of RRAS2 expression in Raw 264.7 (Cat # L024V1).



Western Blot (Cell lysate)

RRAS2 monoclonal antibody (M01), clone 2D3-4B8. Western Blot analysis of RRAS2 expression in PC-12 (Cat # L012V1).

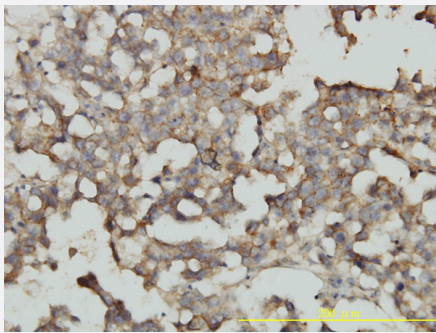


Western Blot (Transfected lysate)

Western Blot analysis of RRAS2 expression in transfected 293T cell line by RRAS2 monoclonal antibody (M01), clone 2D3-4B8.

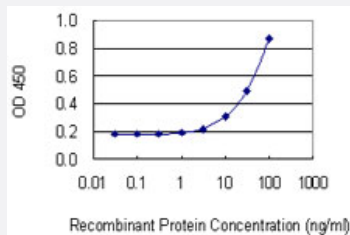
Lane 1: RRAS2 transfected lysate (Predicted MW: 23.4 KDa).

Lane 2: Non-transfected lysate.



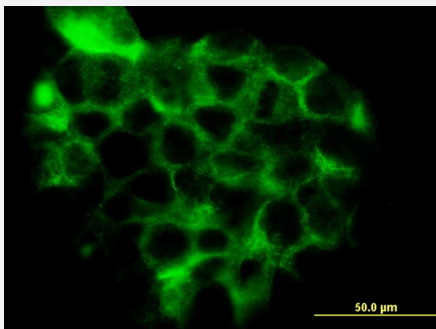
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to RRAS2 on formalin-fixed paraffin-embedded human dysgerminoma tissue. [antibody concentration 5 ug/ml]



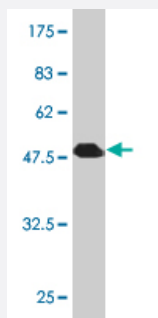
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RRAS2 is 1 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to RRAS2 on A-431 cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (48.18 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant RRAS2.
Immunogen	RRAS2 (AAH13106, 1 a.a. ~ 204 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAAAGWRDGSQGEKYRLVVVGGGGVGKSALTIQFIQSYFVTDYDPTIEDSYTKQCVIDDRAARLDI LDTAGQEEFGAMREQYMRTGEGFLLVFSVTDRGSFEEYKFQRQLRVKDRDEFPMILIGNKADLD HQRQVTQEEGGQLARQLKVTYMEASAKIRMNVDQAFHELVRVIRKFQEQECPPSPEPTRKEKDK KGCHCVIF
Host	Mouse
Reactivity	Human, Mouse, Rat
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (48.18 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)

RRAS2 monoclonal antibody (M01), clone 2D3-4B8. Western Blot analysis of RRAS2 expression in NIH/3T3(Cat # L018V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

RRAS2 monoclonal antibody (M01), clone 2D3-4B8 Western Blot analysis of RRAS2 expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

RRAS2 monoclonal antibody (M01), clone 2D3-4B8. Western Blot analysis of RRAS2 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

RRAS2 monoclonal antibody (M01), clone 2D3-4B8. Western Blot analysis of RRAS2 expression in Raw 264.7 (Cat # L024V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

RRAS2 monoclonal antibody (M01), clone 2D3-4B8. Western Blot analysis of RRAS2 expression in PC-12 (Cat # L012V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of RRAS2 expression in transfected 293T cell line by RRAS2 monoclonal antibody (M01), clone 2D3-4B8.

Lane 1: RRAS2 transfected lysate (Predicted MW: 23.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to RRAS2 on formalin-fixed paraffin-embedded human dysgerminoma tissue.
[antibody concentration 5 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RRAS2 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to RRAS2 on A-431 cell. [antibody concentration 10 ug/ml]

Gene Info — RRAS2

Entrez GeneID [22800](#)

GeneBank Accession# [BC013106](#)

Protein Accession# [AAH13106](#)

Gene Name RRAS2

Gene Alias TC21

Gene Description related RAS viral (r-ras) oncogene homolog 2

Omim ID [600098](#)

Gene Ontology [Hyperlink](#)

Other Designations oncogene TC21

Publication Reference

- [Overexpression of wild type RRAS2, without oncogenic mutations, drives chronic lymphocytic leukemia.](#)

Alejandro M Hortal, Clara L Oeste, Claudia Cifuentes, Miguel Alcoceba, Isabel Fernández-Pisonero, Laura Clavain, Rut Tercero, Pilar Mendoza, Verónica Domínguez, Marta García-Flores, Belén Pintado, David Abia, Carmen García-Macías, Almudena Navarro-Bailón, Xosé R Bustelo, Marcos González, Balbino Alarcón.

Molecular cancer 2022 Feb; 21(1):35.

Application: WB-Ti, Mouse, Mouse leukemic cells

- [R-Ras subfamily proteins elicit distinct physiologic effects and phosphoproteome alterations in neurofibromin-null MPNST cells.](#)

Shannon M Weber, Nicole M Brossier, Amanda PrechtI, Stephen Barnes, Landon S Wilson, Stephanie N Brosius, Jody Fromm Longo, Steven L Carroll.

Cell Communication and Signaling 2021 Sep; 19(1):95.

Application: WB-Ce, WB-Tr, Human, 90-8, ST88-14, NMS2, NMS2-PC, S462, STS-26T, T265-2c, YST-1 cells

- [High-efficiency unassisted transfection of platelets with naked double-stranded miRNAs modulates signal-activated translation and platelet function.](#)

Sophia Lazar, Jeremy G T Wurtzel, Xi Chen, Peisong Ma, Lawrence E Goldfinger.

Platelets 2020 Aug; 1.

Application: WB-Tr, Human, Human platelets

- [TC21/RRas2 regulates GPVI-FcRy-mediated platelet activation and thrombus stability.](#)

Janapati S, Wurtzel J, Dangelmaier C, Manne BK, Bhavanasi D, Kostyak JC, Kim S, Holinstat M, Kunapuli SP, Goldfinger LE.

Journal of Thrombosis and Haemostasis 2018 Jun; [Epub].

Application: WB-Ce, Human, Mouse, Platelets, PBMCs

- [In vivo regulation of TGF- \$\beta\$ by R-Ras2 revealed through loss of the RasGAP protein NF1.](#)

Patmore DM, Welch S, Fulkerson PC, Wu J, Choi K, Eaves D, Kordich JJ, Collins MH, Cripe TP, Ratner N.

Cancer Research 2012 Oct; 72(20):5317.

Application: WB-Ti, Mouse, S462TY xenograft tumors

Pathway

- [MAPK signaling pathway](#)
- [Regulation of actin cytoskeleton](#)
- [Tight junction](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Parkinson disease](#)