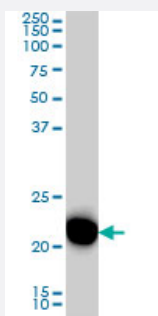


RRAS monoclonal antibody (M01), clone 2E12

Catalog # H00006237-M01

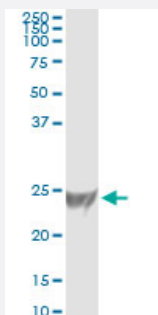
Size 100 ug

Applications



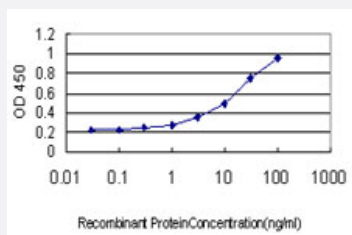
Western Blot (Cell lysate)

RRAS monoclonal antibody (M01), clone 2E12 Western Blot analysis of RRAS expression in HeLa (Cat # L013V1).



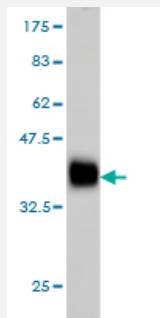
Immunoprecipitation

Immunoprecipitation of RRAS transfected lysate using anti-RRAS monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with RRAS MaxPab rabbit polyclonal antibody.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RRAS is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.73 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant RRAS.
Immunogen	RRAS (AAH16286, 109 a.a. ~ 218 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AINDRQSFNEVGKLFQTQLRVKDRDDFPVVLVGNKADLESQRQVPRSEASAFGASHHVAYFEASAKLRLNVDEAFEQLVRAVRKYQEQLPPSPPSAPRKKGGGCPVLL
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 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)

RRAS monoclonal antibody (M01), clone 2E12 Western Blot analysis of RRAS expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of RRAS transfected lysate using anti-RRAS monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with RRAS MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RRAS is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — RRAS

Entrez GeneID [6237](#)

GeneBank Accession# [BC016286](#)

Protein Accession# [AAH16286](#)

Gene Name RRAS

Gene Alias -

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

Omim ID [165090](#)

Gene Ontology [Hyperlink](#)

Other Designations Oncogene RRAS

Publication Reference

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

Shannon M Weber, Nicole M Brossier, Amanda Precht, 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

- [R-Ras Deficiency in Pericytes Causes Frequent Microphthalmia and Perturbs Retinal Vascular Development.](#)

Jose Luis Herrera and Masanobu Komatsu.

Journal of Vascular Research 2021 Apr; 58(4):252.

Application: IF, Mouse, Mouse retina

- [High endothelial venules accelerate naive T cell recruitment by tumor necrosis factor-mediated R-Ras up-regulation.](#)

Junko Sawada, Carole Y Perrot, Linyuan Chen, Ashley E Fournier-Goss, Jeremiah Oyer, Alicja Copik, Masanobu Komatsu.

The American Journal of Pathology 2021 Feb; 191(2):396.

Application: IF, IHC-Fr, Human, Mouse , HUVECs, Mouse lymph nodes

- [Prolonged activation of cAMP signaling leads to endothelial barrier disruption via transcriptional repression of RRAS.](#)

Perrot CY, Sawada J, Komatsu M.

FASEB Journal 2018 May; [Epub].

Application: IS, WB, WB-Tr, Human, HUVECs, HDMECs, HUVEC-siCtrl, HUVEC-siCREB1, HUVEC-siATF2, HUVEC-siCREB3, HUVEC-siPKAC α cells, Breast cancer

Pathway

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