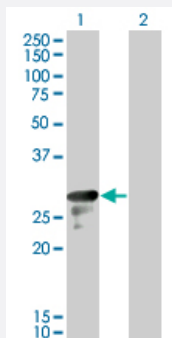


# DENR monoclonal antibody (M01), clone 1H3

Catalog # H00008562-M01

Size 100 ug

## Applications

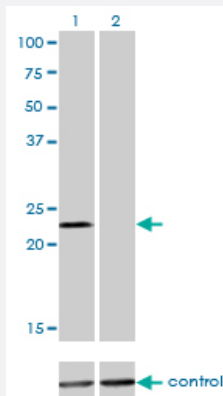


### Western Blot (Transfected lysate)

Western Blot analysis of DENR expression in transfected 293T cell line by DENR monoclonal antibody (M01), clone 1H3.

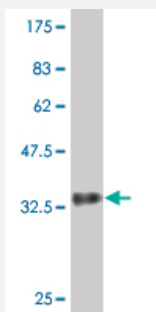
Lane 1: DENR transfected lysate(22.092 kDa).

Lane 2: Non-transfected lysate.



### RNAi Knockdown (Antibody validated)

Western blot analysis of DENR over-expressed 293 cell line, cotransfected with DENR Validated Chimera RNAi ( Cat # H00008562-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with DENR monoclonal antibody (M01), clone 1H3 (Cat # H00008562-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.



Western Blot detection against Immunogen (34.65 kDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant DENR.

<b>Immunogen</b>	DENR (NP_003668, 1 a.a. ~ 81 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	MAADISESSGADCKGDPNRNSAKLDADYPLRVLYCGVCSLPTEYCEYMPDVAKCRQWLEKNFPN EFAKLTVENSPKQEAGIS
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (94); Rat (91)
<b>Isotype</b>	IgG2a Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.65 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of DENR expression in transfected 293T cell line by DENR monoclonal antibody (M01), clone 1H3.

Lane 1: DENR transfected lysate(22.092 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of DENR over-expressed 293 cell line, cotransfected with DENR Validated Chimera RNAi ( Cat # H00008562-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with DENR monoclonal antibody (M01), clone 1H3 (Cat # H00008562-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.

[Protocol Download](#)

## Gene Info — DENR

Entrez GeneID [8562](#)

GeneBank Accession# [NM\\_003677](#)

Protein Accession# [NP\\_003668](#)

Gene Name DENR

Gene Alias DRP, DRP1, SMAP-3

Gene Description density-regulated protein

Omim ID [604550](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a protein whose expression was found to increase in cultured cells at high density but not during growth arrest. This gene was also shown to have increased expression in cells overexpressing HER-2/neu proto-oncogene. The protein contains an SUI1 domain. In budding yeast, SUI1 is a translation initiation factor that along with eIF-2 and the initiator tRNA-Met, directs the ribosome to the proper translation start site. Proteins similar to SUI have been found in mammals, insects, and plants. [provided by RefSeq]

**Other Designations** smooth muscle cell associated protein-3

## Publication Reference

- [40S ribosome profiling reveals distinct roles for Tma20/Tma22 \(MCT-1/DENR\) and Tma64 \(eIF2D\) in 40S subunit recycling.](#)

David J Young, Sezen Meydan, Nicholas R Guydosh.

Nature Communications 2021 May; 12(1):2976.

Application: WB-Tr, Yeast, Yeast cells