10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ADRM1 Antibody (clone 3D11)

Mouse Monoclonal Antibody
Catalog # ALS14948

Specification

ADRM1 Antibody (clone 3D11) - Product Information

Application	**WB**
Primary Accession	Q16186
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**42kDa KDa**

ADRM1 Antibody (clone 3D11) - Additional Information

Gene ID 11047

Other Names
Proteasomal ubiquitin receptor ADRM1, 110 kDa cell membrane glycoprotein, Gp110, Adhesion-regulating molecule 1, ARM-1, Proteasome regulatory particle non-ATPase 13, hRpn13, Rpn13 homolog, ADRM1, GP110

Target/Specificity
Human ADRM1

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

Precautions
ADRM1 Antibody (clone 3D11) is for research use only and not for use in diagnostic or therapeutic procedures.

ADRM1 Antibody (clone 3D11) - Protein Information

Name ADRM1

Synonyms GP110

Function
Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins (PubMed:16815440, PubMed:16906146, PubMed:16990800, PubMed:17139257, PubMed:18497817, PubMed:24752541, PubMed:25702870, PubMed:<a

href="http://www.uniprot.org/citations/25702872" target="_blank">25702872). This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required (PubMed:16815440, PubMed:16906146, PubMed:16990800, PubMed:17139257, PubMed:18497817, PubMed:24752541, PubMed:25702870, PubMed:25702872). Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair (PubMed:16815440, PubMed:16906146, PubMed:16990800, PubMed:17139257, PubMed:18497817, PubMed:24752541, PubMed:25702870, PubMed:25702872). Within the complex, functions as a proteasomal ubiquitin receptor (PubMed:18497817). Engages and activates 19S- associated deubiquitinases UCHL5 and PSMD14 during protein degradation (PubMed:16906146, PubMed:16990800, PubMed:17139257, PubMed:24752541). UCHL5 reversibly associate with the 19S regulatory particle whereas PSMD14 is an intrinsic subunit of the proteasome lid subcomplex (PubMed:16906146, PubMed:16990800, PubMed:17139257, PubMed:24752541).

Cellular Location
Cytoplasm. Nucleus

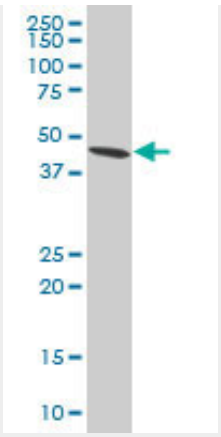
ADRM1 Antibody (clone 3D11) - Protocols

Provided below are standard protocols that you may find useful for product applications.

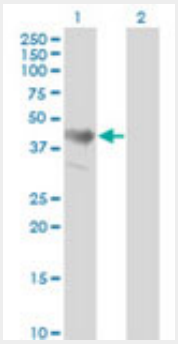
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ADRM1 Antibody (clone 3D11) - Images

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ADRM1 monoclonal antibody (M02), clone 3D11. Western blot of ADRM1 expression in HeLa.



Western blot of ADRM1 expression in transfected 293T cell line by ADRM1 monoclonal antibody...

ADRM1 Antibody (clone 3D11) - Background

Functions as a proteasomal ubiquitin receptor. Recruits the deubiquitinating enzyme UCHL5 at the 26S proteasome and promotes its activity.

ADRM1 Antibody (clone 3D11) - References

Shimada S.,et al.Cancer Res. 54:3831-3836(1994).
Hamazaki J.,et al.EMBO J. 25:4524-4536(2006).
Deloukas P.,et al.Nature 414:865-871(2001).
Qiu X.-B.,et al.EMBO J. 25:5742-5753(2006).
Joergensen J.P.,et al.J. Mol. Biol. 360:1043-1052(2006).