

Specification

Application	WB, IHC-P, IHC-F, IP, ICC
Primary Accession	Q16186
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	42153

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

[25702872](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/16815440), PubMed:[16906146](http://www.uniprot.org/citations/16906146), PubMed:[16990800](http://www.uniprot.org/citations/16990800), PubMed:[17139257](http://www.uniprot.org/citations/17139257), PubMed:[18497817](http://www.uniprot.org/citations/18497817), PubMed:[24752541](http://www.uniprot.org/citations/24752541), PubMed:[25702870](http://www.uniprot.org/citations/25702870), PubMed:[25702872](http://www.uniprot.org/citations/25702872)). Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair (PubMed:[16815440](http://www.uniprot.org/citations/16815440), PubMed:[16906146](http://www.uniprot.org/citations/16906146), PubMed:[16990800](http://www.uniprot.org/citations/16990800), PubMed:[17139257](http://www.uniprot.org/citations/17139257), PubMed:[18497817](http://www.uniprot.org/citations/18497817), PubMed:[24752541](http://www.uniprot.org/citations/24752541), PubMed:[25702870](http://www.uniprot.org/citations/25702870), PubMed:[25702872](http://www.uniprot.org/citations/25702872)). Within the complex, functions as a proteasomal ubiquitin receptor (PubMed:[18497817](http://www.uniprot.org/citations/18497817)). Engages and activates 19S- associated deubiquitinases UCHL5 and PSMD14 during protein degradation (PubMed:[16906146](http://www.uniprot.org/citations/16906146), PubMed:[16990800](http://www.uniprot.org/citations/16990800), PubMed:[17139257](http://www.uniprot.org/citations/17139257), PubMed:[24752541](http://www.uniprot.org/citations/24752541)). UCHL5 reversibly associate with the 19S regulatory particle whereas PSMD14 is an intrinsic subunit of the proteasome lid subcomplex (PubMed:[16906146](http://www.uniprot.org/citations/16906146), PubMed:[16990800](http://www.uniprot.org/citations/16990800), PubMed:[17139257](http://www.uniprot.org/citations/17139257), PubMed:[24752541](http://www.uniprot.org/citations/24752541)).

Cellular Location

Cytoplasm. Nucleus

ADRM1 Rabbit mAb - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ADRM1 Rabbit mAb - Images



