

Ataxin 3 Rabbit mAb
Catalog # AP76395**Specification****Ataxin 3 Rabbit mAb - Product Information**

Application	WB
Primary Accession	P54252
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	41250

Ataxin 3 Rabbit mAb - Additional Information**Gene ID** 4287**Other Names**
ATXN3**Dilution**
WB~~1/500-1/1000**Format**
Liquid**Ataxin 3 Rabbit mAb - Protein Information****Name** ATXN3 {ECO:0000303|PubMed:33157014, ECO:0000312|HGNC:HGNC:7106}**Function**

Deubiquitinating enzyme involved in protein homeostasis maintenance, transcription, cytoskeleton regulation, myogenesis and degradation of misfolded chaperone substrates (PubMed:12297501, PubMed:16118278, PubMed:17696782, PubMed:23625928, PubMed:28445460, PubMed:33157014). Binds long polyubiquitin chains and trims them, while it has weak or no activity against chains of 4 or less ubiquitins (PubMed:17696782). Involved in degradation of misfolded chaperone substrates via its interaction with STUB1/CHIP: recruited to monoubiquitinated STUB1/CHIP, and restricts the length of ubiquitin chain attached to STUB1/CHIP substrates and preventing further chain extension (By similarity). Interacts with key regulators of transcription and represses transcription: acts as a histone-binding protein that regulates transcription (PubMed:12297501). Acts as a negative regulator of mTORC1 signaling in response to amino acid deprivation by mediating deubiquitination of RHEB, thereby promoting RHEB inactivation by the TSC-TBC complex

(PubMed:33157014).
Regulates autophagy via the deubiquitination of 'Lys-402' of BECN1 leading to the stabilization of
BECN1 (PubMed:28445460).

Cellular Location

Nucleus matrix. Nucleus. Lysosome membrane; Peripheral membrane protein.
Note=Predominantly nuclear, but not exclusively, inner nuclear matrix (PubMed:9580663).
Recruited to lysosomal membrane in response to amino acid deprivation by the
RagA/RRAGA-RagB/RRAGB complex (PubMed:33157014)

Tissue Location

Ubiquitous.

Ataxin 3 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](#)

Ataxin 3 Rabbit mAb - Images

