

MARCH6 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59229**Specification****MARCH6 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	O60337
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	102545

MARCH6 Polyclonal Antibody - Additional Information**Gene ID** 10299**Other Names**

E3 ubiquitin-protein ligase MARCHF6, 2.3.2.27, Doa10 homolog, Membrane-associated RING finger protein 6, Membrane-associated RING-CH protein VI, MARCH-VI, Protein TEB-4, RING finger protein 176, RING-type E3 ubiquitin transferase MARCHF6, MARCHF6 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=30550)
HGNC:30550

Dilution

WB ~ 1:1000
IHC-P ~ N/A
IHC-F ~ N/A
IF ~ 1:50 ~ 200
E ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

MARCH6 Polyclonal Antibody - Protein Information**Name** MARCHF6 ([HGNC:30550](#))**Function**

Endoplasmic reticulum membrane-associated E3 ubiquitin ligase that plays a critical role in mitigating endoplasmic reticulum stress, the regulation of cholesterol and lipid homeostasis, and ferroptosis (PubMed: [25088257](http://www.uniprot.org/citations/25088257), PubMed: [35941365](http://www.uniprot.org/citations/35941365), PubMed: [39216628](http://www.uniprot.org/citations/39216628)). Acts as a pivotal component of both the Ac/N-degron pathway

(targeting the N-terminal acetyl group of substrates) and the ER-associated protein degradation-cytosol (ERAD-C) pathway (targeting misfolded substrates) (PubMed:30425097, PubMed:35941365). For instance, mediates the degradation of Ac/N-degron-bearing proteins such as the G-protein regulator RGS2 and the lipid droplet protein PLIN2 (PubMed:39216628). Suppresses endoplasmic reticulum stress and ferroptosis through cytosolic POMC degradation (By similarity). Prevents ferroptosis by acting as a NADPH sensor during lipid peroxidation through its C- terminal regulatory region (PubMed:35941365). Facilitates also the degradation of selected endoplasmic reticulum proteins by associating with signal peptide peptidase for the turnover of endogenous tail- anchored proteins (PubMed:29519897). Promotes ubiquitination of DIO2, leading to its degradation (PubMed:19651899). By ubiquitinating and thereby modulating the stability of many proteins of the cholesterol pathway including SQLE, CYP51A1, CYP11A1 and HMGCR, acts as a crucial post-translational regulator of cholesterol synthesis (PubMed:24449766, PubMed:31904814, PubMed:36958722).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

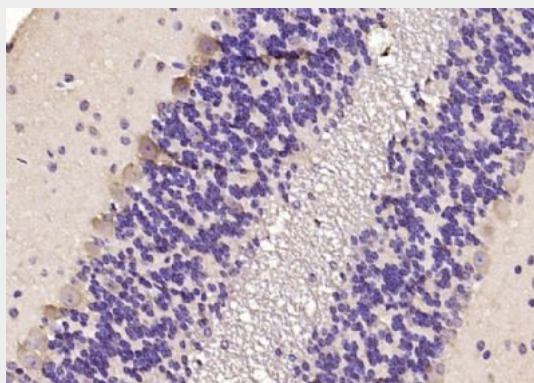
Present in brain (at protein level).

MARCH6 Polyclonal Antibody - Protocols

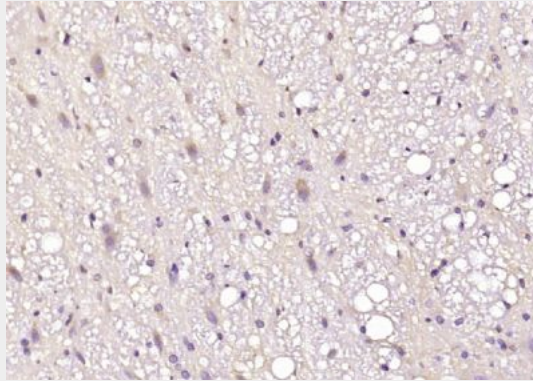
Provided below are standard protocols that you may find useful for product applications.

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

MARCH6 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MARCH6) Polyclonal Antibody, Unconjugated (bs-9340R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MARCH6) Polyclonal Antibody, Unconjugated (bs-9340R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.