

**ATP13A2 Antibody (monoclonal) (M06)****Mouse monoclonal antibody raised against a partial recombinant ATP13A2.****Catalog # AT1230a****Specification**

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**ATP13A2 Antibody (monoclonal) (M06) - Product Information**

Application	WB, E
Primary Accession	<a href="#">O9NQ11</a>
Other Accession	<a href="#">NM_022089</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	128794

**ATP13A2 Antibody (monoclonal) (M06) - Additional Information****Gene ID** 23400**Other Names**

Probable cation-transporting ATPase 13A2, 363-, ATP13A2, PARK9

**Target/Specificity**

ATP13A2 (NP\_071372, 68 a.a. ~ 154 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

E~~N/A

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

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

**Precautions**

ATP13A2 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

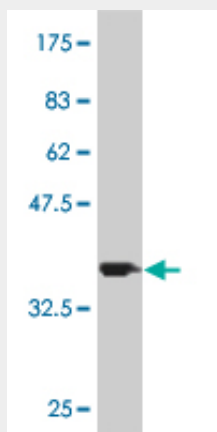
**ATP13A2 Antibody (monoclonal) (M06) - Protocols**

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

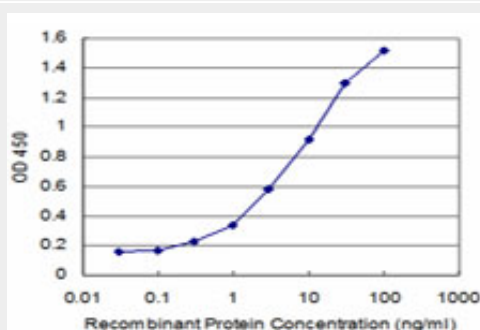
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### ATP13A2 Antibody (monoclonal) (M06) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.31 kDa) .



Detection limit for recombinant GST tagged ATP13A2 is approximately 0.1ng/ml as a capture antibody.

#### ATP13A2 Antibody (monoclonal) (M06) - Background

This gene encodes a member of the P5 subfamily of ATPases which transports inorganic cations as well as other substrates. Mutations in this gene are associated with Kufor-Rakeb syndrome (KRS), also referred to as Parkinson disease 9. Multiple transcript variants encoding different isoforms have been found for this gene.

#### ATP13A2 Antibody (monoclonal) (M06) - References

Mutational analysis of GIGYF2; ATP13A2 and GBA genes in Brazilian patients with early-onset Parkinson's disease. Dos Santos AV, et al. *Neurosci Lett*, 2010 Sep 14. PMID 20816920. Structural imaging in the presymptomatic stage of genetically determined parkinsonism. Reetz K, et al. *Neurobiol Dis*, 2010 Sep. PMID 20483373. Lack of association between ATP13A2 Ala746Thr variant and Parkinson's disease in Han population of mainland China. Fei QZ, et al. *Neurosci Lett*, 2010 May 14. PMID 20227461. A genome-wide association study in 19 633 Japanese subjects identified LHX3-QSOX2 and IGF1 as adult height loci. Okada Y, et al. *Hum Mol Genet*, 2010 Jun 1. PMID 20189936. A new variant of the ATP13A2 gene in Chinese patients with early-onset parkinsonism. Wang L, et al. *Chin Med J (Engl)*, 2009 Dec 20. PMID 20137506.