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

ATP13A2 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a partial recombinant ATP13A2.
Catalog # AT1230a

Product Information

Application	WB, E
Primary Accession	Q9NQ11
Other Accession	NM_022089
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4B7
Calculated MW	128794

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.

Background

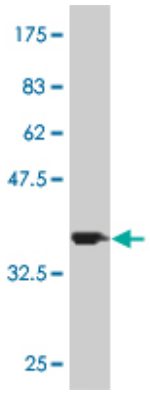
This gene encodes a member of the P5 subfamily of ATPases which transports inorganic cations as well as other substrates. Mutations in this gene are associated with Kufor-Rakeb syndrome (KRS), also referred to as Parkinson disease 9. Multiple transcript variants encoding different isoforms have been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

References

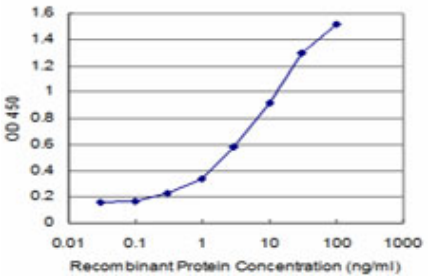
Mutational analysis of GIGYF2; ATP13A2 and GBA genes in Brazilian patients with early-onset Parkinson's disease. Dos Santos AV, et al. Neurosci Lett, 2010 Sep 14. PMID 20816920.Structural imaging in the presymptomatic stage of genetically determined parkinsonism. Reetz K, et al. Neurobiol Dis, 2010 Sep. 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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.