C10orf2 rabbit monoclonal antibody

Catalog # H00056652-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human C10orf2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human C10orf2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human C10orf2 peptide by ELISA and mammalian transfected lysate by W estern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — C10orf2

Entrez GeneID	56652
GeneBank Accession#	C10orf2
Gene Name	C10orf2
Gene Alias	ATXN8, FLJ21832, IOSCA, PEO, PEO1, PEOA3, SANDO, SCA8, TWINL
Gene Description	chromosome 10 open reading frame 2
Omim ID	606075 607459 609286
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a hexameric DNA helicase which unwinds short stretches of double-stranded DNA in the 5' to 3' direction and, along with mitochondrial single-stranded DNA binding protein and mtDNA polymerase gamma, is thought to play a key role in mtDNA replication. The protein localizes to the mitochondrial matrix and mitochondrial nucleoids. Mutations in this gene cause infantile onset spinocerebellar ataxia (IOSCA) and progressive external ophthalmoplegia (PEO) and are also associated with several mitochondrial depletion syndromes. Alternative splicing results in multiple transcript variants encoding distinct isoforms
Other Designations	OTTHUMP00000020296|ataxin 8|gp4-like protein with intramitochondrial nucleoid localization|twinkle

Disease

- Abnormalities
- Alzheimer Disease
- Diabetes Mellitus
- Diabetic Neuropathies
- Genetic Predisposition to Disease
- Ophthalmoplegia
- Parkinsonian Disorders