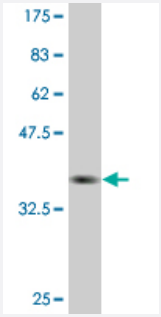
PEO1 monoclonal antibody (M03), clone 1C5

Catalog # H00056652-M03 Size 100 ug

Applications



Western Blot detection against Immunogen (36.08 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PEO1.
Immunogen	PEO1 (NP_068602.2, 591 a.a. ~ 684 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	DRKLVTGPGKRYLQVSKNRFDGDVGVFPLEFNKNSLTFSIPPKNKARLKKIKDDTGPVAKKPSSG KKGATTQNSEICSGQAPTPDQPDTSKRSK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (89); Rat (88)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.08 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — C10orf2

Entrez GeneID	56652
GeneBank Accession#	NM_021830
Protein Accession#	NP_068602.2
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