ACTL7A mouse monoclonal antibody (hybridoma)

Catalog # H00010881-M Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant ACTL7A.
Immunogen	ACTL7A (NP_006678.1, 1 a.a. ~ 435 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MWAPPAAIMGDGPTKKVGNQAPLQTQALQTASLRDGPAKRAVWVRHTSSEPQEPTESKAAKER PKQEVTKAVVVDLGTGYCKCGFAGLPRPTHKISTTVGKPYMETAKTGDNRKETFVGQELNNTNVH LKLVNPLRHGIIVDWDTVQDIWEYLFRQEMKIAPEEHAVLVSDPPLSPHTNREKYAEMLFEAFNTP AMHIAYQSRLSMYSYGRTSGLVVEVGHGVSYVVPIYEGYPLPSITGRLDYAGSDLTAYLLGLLNSAG NEFTQDQMGIVEDIKKKCCFVALDPIEEKKVPLSEHTIRYVLPDGKEIQLCQERFLCSEMFFKPSLI KSMQLGLHTQTVSCLNKCDIALKRDLMGNILLCGGSTMLSGFPNRLQKELSSMCPNDTPQVNVLP ERDSAVWTGGSILASLQGFQPLWVHRFEYEEHGPFFLYRRCF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (86)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee-for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — ACTL7A

Entrez GeneID	10881
GeneBank Accession#	NM_006687.2
Protein Accession#	NP_006678.1
Gene Name	ACTL7A
Gene Alias	-
Gene Description	actin-like 7A
Omim ID	604303
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of a family of actin-related proteins (ARPs) which share significant amino acid sequence identity to conventional actins. Both actins and ARPs have an actin fold, which is an ATP-binding cleft, as a common feature. The ARPs are involved in diver se cellular processes, including vesicular transport, spindle orientation, nuclear migration and chr omatin remodeling. This gene (ACTL7A), and related gene, ACTL7B, are intronless, and are loca ted approximately 4 kb apart in a head-to-head orientation within the familial dysautonomia candi date region on 9q31. Based on mutational analysis of the ACTL7A gene in patients with this disor der, it was concluded that it is unlikely to be involved in the pathogenesis of dysautonomia. The A CTL7A gene is expressed in a wide variety of adult tissues, however, its exact function is not kno wn. [provided by RefSeq
Other Designations	actin-like 7-alpha