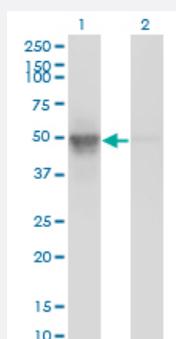


ACTL6A monoclonal antibody (M10), clone 3C4

Catalog # H00000086-M10

Size 100 ug

Applications

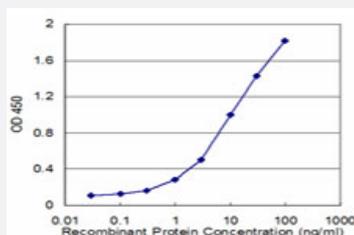


Western Blot (Transfected lysate)

Western Blot analysis of ACTL6A expression in transfected 293T cell line by ACTL6A monoclonal antibody (M10), clone 3C4.

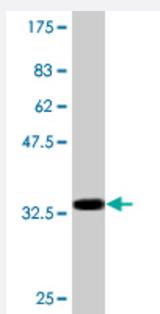
Lane 1: ACTL6A transfected lysate(47.5 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ACTL6A is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (34.54 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant ACTL6A.

Immunogen	ACTL6A (NP_817126, 1 a.a. ~ 80 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MVVERDDGSTLMEIDGDKGKQGGPTYIDTNALRVPRENMEAISPLKNGMVEDWDSFQILDHTY KMHVKSEASLHPVLM
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (95)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.54 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 (Transfected lysate)

Western Blot analysis of ACTL6A expression in transfected 293T cell line by ACTL6A monoclonal antibody (M10), clone 3C4.

Lane 1: ACTL6A transfected lysate(47.5 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ACTL6A is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ACTL6A

Entrez GeneID	86
GeneBank Accession#	NM_177989
Protein Accession#	NP_817126
Gene Name	ACTL6A
Gene Alias	ACTL6, ARPN-BETA, Arp4, BAF53A, INO80K, MGC5382
Gene Description	actin-like 6A
Omim ID	604958
Gene Ontology	Hyperlink
Gene Summary	<p>This gene encodes a family member 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 diverse cellular processes, including vesicular transport, spindle orientation, nuclear migration and chromatin remodeling. This gene encodes a 53 kDa subunit protein of the BAF (BRG1/brm-associated factor) complex in mammals, which is functionally related to SWI/SNF complex in <i>S. cerevisiae</i> and <i>Drosophila</i>; the latter is thought to facilitate transcriptional activation of specific genes by antagonizing chromatin-mediated transcriptional repression. Together with beta-actin, it is required for maximal ATPase activity of BRG1, and for the association of the BAF complex with chromatin/matrix. Three transcript variants that encode two different protein isoforms have been described. [provided by RefSeq]</p>
Other Designations	BAF complex 53 kDa subunit BAF53 BRG1-associated factor INO80 complex subunit K actin-related protein 4 hArpN beta