

## Datasheet

### **ACTR2 monoclonal antibody (M01), clone 1B10-C4**

**Catalog Number:** H00010097-M01

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full length recombinant ACTR2.

**Clone Name:** 1B10-C4

**Immunogen:** ACTR2 (AAH14546.1, 1 a.a. ~ 394 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

MDSQGRKVVVCDNGTGKGVKCGYAGSNFPEHIFPALV  
GRPIIRSTTKVGNIEIKDLMVGDEASELRSTLEVNYPME  
NGIVRNWDDMKHLWDYTFGPEKLNIDTRNCKILLTEPP  
MNPTKNREKIVEVMFETYQFSGVYVAIQAVLTLYAQGL  
LTGVVVDSDGDGVTHICPVYESFSLPHLTRRLDIAGRDI  
RYLIKLLLLRGYAFNHSADFETVRMIKEKLCYVGYNIEQ  
EQKLALETTVLVESYTLPDGRIIKVGGERFEAPEALFQP  
HLINVEGVGVAELLFNTIQAADIDTRSEFYKHIVLSSGS  
TMYPGLPSRLERELKQLYLERVLKGDVEKLSKFKIRIED  
PPRRKHMVFLGGAVLADIMKDKDNFWMTRQEYQKEG  
VRVLEKLGVTVR

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IHC-P, S-ELISA, WB-Ce, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG2a kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 10097

**Gene Symbol:** ACTR2

**Gene Alias:** ARP2

**Gene Summary:** The specific function of this gene has not yet been determined; however, the protein it encodes is known to be a major constituent of the ARP2/3 complex. This complex is located at the cell surface and is essential to cell shape and motility through lamellipodial actin assembly and protrusion. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]