

# ACTR3 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant ACTR3. Catalog # AT1035a

### **Product Information**

**Application** WB, IHC, IF, E **Primary Accession** P61158 **Other Accession** BC044590 Reactivity Human Host Mouse Clonality monoclonal Isotype IgG1 Kappa **Clone Names** 2B6

Calculated MW 47371

### **Additional Information**

Gene ID 10096

**Other Names** Actin-related protein 3, Actin-like protein 3, ACTR3, ARP3

ACTR3 (AAH44590, 1 a.a. ~ 418 a.a) full-length recombinant protein with GST Target/Specificity

tag. MW of the GST tag alone is 26 KDa.

WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A Dilution

**Format** Clear, colorless solution in phosphate buffered saline, pH 7.2.

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

**Precautions** ACTR3 Antibody (monoclonal) (M02) is for research use only and not for use

in diagnostic or therapeutic procedures.

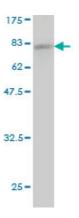
## **Background**

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.

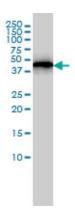
#### References

1.Laser Microdissection and Two-Dimensional Difference Gel Electrophoresis Reveal the Role of a Novel Macrophage-Capping Protein in Lymph Node Metastasis in Gastric Cancer. Ichikawa H, Kanda T, Kosugi SI, Kawachi Y, Sasaki H, Wakai T, Kondo TJ Proteome Res. 2013 Jul 9.2. Annexin A2-Dependent Polymerization of Actin Mediates Endosome Biogenesis. Morel E, Parton RG, Gruenberg J. Dev Cell. 2009 Mar;16(3):445-57.

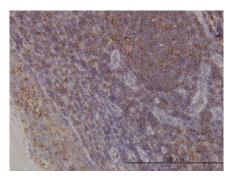
### **Images**



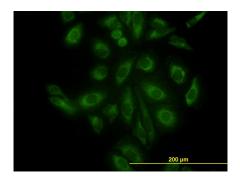
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (71.72 KDa) .



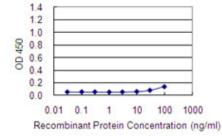
ACTR3 monoclonal antibody (M02), clone 2B6 Western Blot analysis of ACTR3 expression in A-431 ( (Cat # AT1035a )



Immunoperoxidase of monoclonal antibody to ACTR3 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 6 ug/ml]



Immunofluorescence of monoclonal antibody to ACTR3 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged ACTR3 is 10 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.