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# ACTRT2 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant ACTRT2.
Catalog # AT1036a

## Product Information

| | |
|---|---|
| **Application** | WB, IHC |
| **Primary Accession** | Q8TDY3 |
| **Other Accession** | NM_080431 |
| **Reactivity** | Human |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG2a Lambda |
| **Clone Names** | 2E11 |
| **Calculated MW** | 41702 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 140625 |
| **Other Names** | Actin-related protein T2, ARP-T2, Actin-related protein M2, ACTRT2, ARPM2 |
| **Target/Specificity** | ACTRT2 (NP_536356, 209 a.a. ~ 299 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Dilution** | WB~~1:500~1000 IHC~~1:100~500 |
| **Format** | Clear, colorless solution in phosphate buffered saline, pH 7.2 . |
| **Storage** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| **Precautions** | ACTRT2 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Background

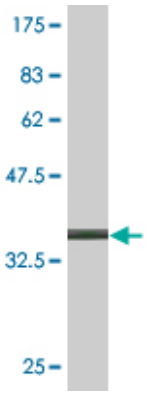
The protein encoded by this intronless gene belongs to the actin family. Studies have shown that this protein may be involved in cytoskeletal organization similar to other cytoplasmic actin-related protein (ARP) subfamily members. Antibody raised against the human protein has been used to detect the protein by immunoblotting and immunofluorescence microscopy, demonstrating its specific synthesis in the testis, late in spermatid differentiation, and its localization in the calyx.

## References

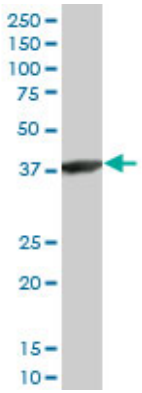
Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian

Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions. Suzuki Y, et al. Genome Res, 2004 Sep. PMID 15342556.Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.Novel actin-related proteins Arp-T1 and Arp-T2 as components of the cytoskeletal calyx of the mammalian sperm head. Heid H, et al. Exp Cell Res, 2002 Oct 1. PMID 12243744.

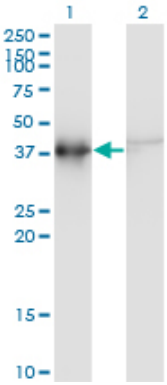
## Images




Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.75 KDa) .

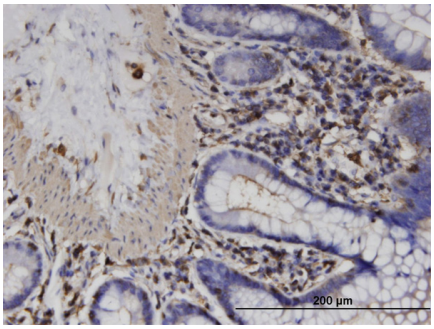



ACTRT2 monoclonal antibody (M03), clone 2E10. Western Blot analysis of ACTRT2 expression in HepG2 ( (Cat # AT1036a )




Western Blot analysis of ACTRT2 expression in transfected 293T cell line by ACTRT2 monoclonal antibody (M03), clone 2E10.

Lane 1: ACTRT2 transfected lysate(41.7 KDa).
Lane 2: Non-transfected lysate.




Immunoperoxidase of monoclonal antibody to ACTRT2 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]

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