

Datasheet for ABIN1882059  
**anti-ACTR2 antibody (C-Term)**[Go to Product page](#)

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## Overview

Quantity:	400 µL
Target:	ACTR2
Binding Specificity:	AA 323-352, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACTR2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

## Product Details

Immunogen:	This ACTR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 323-352 amino acids from the C-terminal region of human ACTR2.
Clone:	RB19693
Isotype:	Ig Fraction
Predicted Reactivity:	Zf, X, B, C, M, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	ACTR2
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## Target Details

Alternative Name:	ACTR2 ( <a href="#">ACTR2 Products</a> )
Background:	ACTR2 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.
Molecular Weight:	44761
NCBI Accession:	<a href="#">NP_001005386</a> , <a href="#">NP_005713</a>
UniProt:	<a href="#">P61160</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Regulation of Actin Filament Polymerization</a>

## Application Details

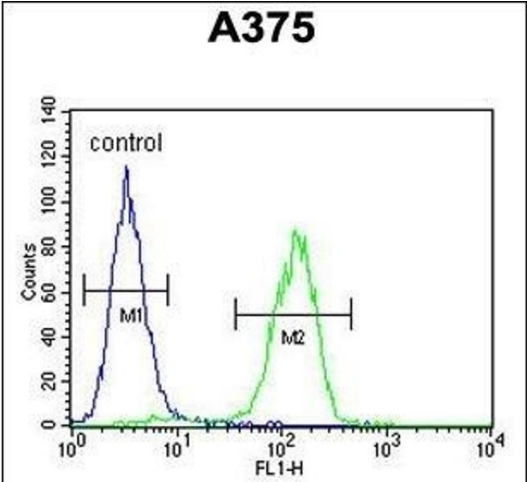
Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

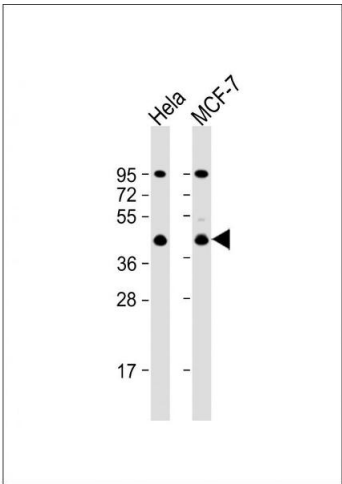
## Publications

Product cited in:	<p>Gonzalez, Combe, David, Malmquist, Delorme, Leroy, Blazquez, Ménard, Tardieux: "Host cell entry by apicomplexa parasites requires actin polymerization in the host cell." in: <b>Cell host &amp; microbe</b>, Vol. 5, Issue 3, pp. 259-72, (2009) (<a href="#">PubMed</a>).</p> <p>Weisswange, Newsome, Schleich, Way: "The rate of N-WASP exchange limits the extent of ARP2/3-complex-dependent actin-based motility." in: <b>Nature</b>, Vol. 458, Issue 7234, pp. 87-91, (2009) (<a href="#">PubMed</a>).</p>
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### Flow Cytometry

**Image 1.** ACTR2 Antibody (C-term) (ABIN1882059 and ABIN2840820) flow cytometric analysis of cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



### Western Blotting

**Image 2.** All lanes : Anti-ACTR2 Antibody (C-term) at 1:1000 dilution Lane 1: HeLa whole cell lysate Lane 2: MCF-7 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 45 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Formalin-fixed and paraffin-embedded human skeletal muscle reacted with ACTR2 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.