Datasheet for ABIN1882060

anti-ACTR2 antibody (AA 191-219)

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Overview

Quantity:	400 µL
Target:	ACTR2
Binding Specificity:	AA 191-219
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 191-219 amino acids from the Central region of human ACTR2.
Clone:	RB19692
Isotype:	Ig Fraction
Predicted Reactivity:	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

Target Details

Alternative Name:	ACTR2 (ACTR2 Products)
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:	NP_001005386, NP_005713
UniProt:	P61160
Pathways:	RTK Signaling, Regulation of Actin Filament Polymerization

Application Details

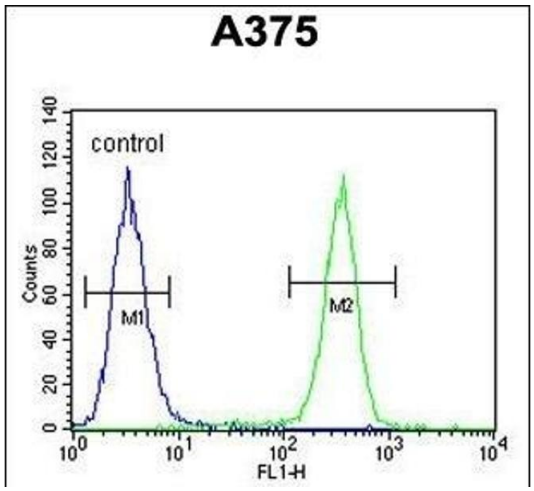
Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

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

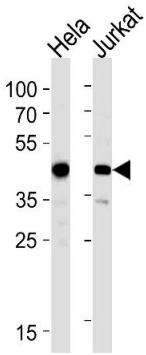
Publications

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



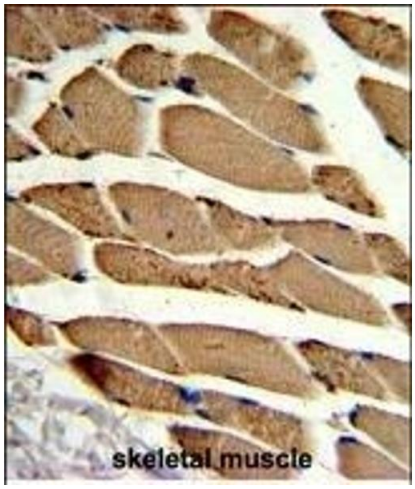
Flow Cytometry

Image 1. ACTR2 Antibody (Center) (ABIN1882060 and ABIN2840821) 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. ACTR2 Antibody (Center) (ABIN1882060 and ABIN2840821) western blot analysis in Hela,Jurkat cell line lysates (35 µg/lane).This demonstrates the ACTR2 antibody detected the ACTR2 protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human skeletal muscle reacted with ACTR2 Antibody (Center), 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.