



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Goat Anti ARP2/3 subunit 1B

With HRP-conjugated Secondary Antibody

Catalog No.
ER-14-0182

Target Species
Human

Accession Number
NP_005711.1

Description

Synonyms: ARPC1B; actin related protein 2/3 complex, subunit 1B, 41kDa; ARC41; p40-ARC; p41-ARC; ARP2/3 protein complex subunit p41; actin related protein 2/3 complex, subunit 1A (41 kD); OTTHUMP00000206020

Official Symbol: ARPC1B

Preparation

Purification: Purified from goat serum by ammonium sulfate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Immunogen: Peptide with sequence AYHSFLVEPISCH, from the N Terminus of the protein sequence according to NP_005711.1.

Presentation: Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Storage

Aliquot and store at -20°C. Minimize freezing and thawing.

Reference

Welch MD, DePace AH, Verma S, Iwamatsu A, Mitchison TJ.

The human Arp2/3 complex is composed of evolutionarily conserved subunits and is localized to cellular regions of dynamic actin filament assembly.

J Cell Biol. 1997 Jul 28;138(2):375-84.

PMID: 9230079

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Specificity

Tested: Human

Expected from sequence similarity: Mouse, Rat, Dog, Pig and Cow

Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Peptide ELISA	•			Detection limit dilution 1:32000.
Western Blotting	•			2-4 µg/ml.

(1) Approx 37kDa band observed in Human Liver lysates (calculated MW of 40.9kDa according to NP_005711).
Recommended concentration: 2-4µg/ml. A minor band of unknown identity was also consistently observed at 28kDa..

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

Image



ER-14-0182 staining (2µg/ml) of Human Liver lysate (RIPA buffer, 35µg total protein per lane).
Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

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