

## Anti-ARP5/ACTR5 Antibody

Catalog Number: A12854

### About ACTR5

Arp5 is a member of nuclear actin-related proteins (ARPs) that function as components of the chromatin-remodeling complex. Recently, a study reported that Arp5 regulates smooth muscle cell differentiation through interaction with myocardin (Myocd). Arp5 has been identified as a negative regulator of Myocd, suppressing Myocd activity in the nucleus through tightly binding with Myocd RPEL motifs. Alternative splicing results in two variants of Arp5: a broadly expressed arp5-common, and a smooth muscle restricted arp5-sm. Expression of Arp5-sm protein is strongly suppressed in well-differentiated smooth muscle cells by partial messenger RNA decay and translational suppression. (24567363)

### Overview

Product Name	Anti-ARP5/ACTR5 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ARP5/ACTR5 Antibody catalog # A12854. Tested in WB, ICC/IF, IP, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IP, IF, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q9H9F9

### Technical Details

Immunogen	E.coli-derived human ARP5/ACTR5 recombinant protein (Position: L260-G604).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunocytochemistry/Immunofluorescence, 1:50-400 ImmunoPrecipitation, 1:250-300

ELISA, 1:100-1000

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