

Technical Data Sheet

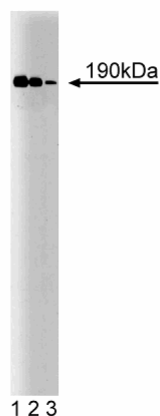
Purified Mouse Anti-p190

Product Information

Material Number:	610149
Size:	50 µg
Concentration:	250 µg/ml
Clone:	30/p190
Immunogen:	Human p190 aa. 1-1513
Isotype:	Mouse IgG1
Reactivity:	QC Testing: Human Tested in Development: Dog, Rat, Mouse, Chicken, Frog
Target MW:	190 kDa
Storage Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

Description

GTPase activating proteins (GAPs) stimulate the GTP-hydrolyzing activity of GTPases, such as p21[*ras*]. Ras-GAP (120kDa) is perhaps the best characterized GAP. p190 is a Ras-GAP associated protein that is tyrosine phosphorylated in transformed and growth factor-stimulated cells. Ras-GAP and p190 are targets of oncoproteins and growth factor receptors. Recombinant p190 enhances GTPase activity of the *rho* family of GTPases. The complete sequence of p190 exhibits three major regions: an N-terminal region with homology to all GTPases, a middle region homologous to transcriptional repressors, and a C-terminal region the is similar to n-chimerin and other small GTPases.



Western blot analysis of p190 on HeLa lysate. Lane 1: 1:500, lane 2: 1:1000, lane 3: 1:2000 dilution of p190.

Human Fibroblast

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. Store undiluted at -20°C.

Application Notes

Application

Western blot	Routinely Tested
Immunoprecipitation	Tested During Development
Immunofluorescence	Tested During Development
Immunohistochemistry	Not Recommended

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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharming/en/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

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- Maddox AS, Burridge K. RhoA is required for cortical retraction and rigidity during mitotic cell rounding. *J Cell Biol.* 2003; 160(2):255-265.(Clone-specific: Immunoprecipitation, Western blot)
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- Settleman J, Narasimhan V, Foster LC, Weinberg RA. Molecular cloning of cDNAs encoding the GAP-associated protein p190: implications for a signaling pathway from ras to the nucleus. *Cell.* 1992; 69(3):539-549.(Biology)
- Wolf RM, Draghi N, Liang X. p190RhoGAP can act to inhibit PDGF-induced gliomas in mice: a putative tumor suppressor encoded on human chromosome 19q13.3. *Genes Dev.* 2003; 17(4):476-487.(Clone-specific: Immunohistochemistry, Western blot)