

Technical Data Sheet

Purified Mouse Anti-p190

Product Information

Material Number:	610150
Size:	150 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

BD Biosciences

bdbiosciences.com

United States 877.232.8995 Canada 888.259.0187 Europe 32.53.720.550 Japan 0120.8555.90 Asia Pacific 65.6861.0633 Latin America/Caribbean 55.11.5185.9995

For country-specific contact information, visit bdbiosciences.com/how_to_order/

Conditions: The information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents. BD Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Becton Dickinson and Company is strictly prohibited.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale.

BD, BD Logo and all other trademarks are the property of Becton, Dickinson and Company. ©2008 BD



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

- Brandt D, Gimona M, Hillmann M, Haller H, Mischak H. Protein kinase C induces actin reorganization via a Src- and Rho-dependent pathway. *J Biol Chem.* 2002; 277(23):20903-20910.(Clone-specific: Immunoprecipitation, Western blot)
- 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)
- Nakahara H, Mueller SC, Nomizu M, Yamada Y, Yeh Y, Chen WT. Activation of beta1 integrin signaling stimulates tyrosine phosphorylation of p190RhoGAP and membrane-protrusive activities at invadopodia. *J Biol Chem.* 1998; 273(1):9-12.(Clone-specific: Immunofluorescence, Immunoprecipitation, Western blot)
- 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)