

Technical Data Sheet

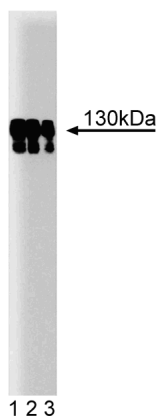
Purified Mouse Anti-p130 [Cas]**Product Information**

Material Number:	610272
Size:	150 µg
Concentration:	250 µg/ml
Clone:	21/p130[Cas]
Immunogen:	Rat p130 [Cas] aa. 644-819
Isotype:	Mouse IgG1
Reactivity:	QC Testing: Human Tested in Development: Chicken, Dog, Mouse, Rat
Target MW:	130 kDa
Storage Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

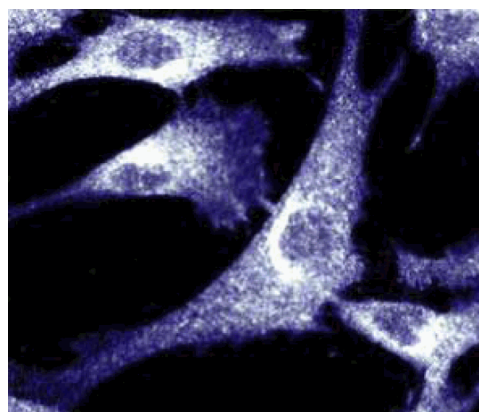
Description

p47 [v-crk] is the product of a transforming gene, *v-crk*, that was isolated from avian sarcoma viruses. The *v-crk* protein is a fusion product of the viral gag protein and a part of cellular *crk* that includes SH2 and SH3 domains. *v-crk* induced transformation increases tyrosine phosphorylation of several cellular proteins, including p130 [Cas]. p130 [Cas] is tightly associated with *v-crk* via the SH2 domain of *v-crk*. Tyrosine phosphorylation of p130 [Cas] occurs in conjunction with cellular transformation in cells that express *v-src* or *v-crk*. This phosphorylation leads to a change in p130 [Cas] localization from the cytoplasm to the cell membrane and, possibly, to the nucleus. Since p130 [Cas] also associates with *v-src*, it may be a *v-src* substrate.

This antibody is routinely tested by western blot analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



Western blot analysis of p130 [Cas] on a human endothelial lysate. Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of the anti- p130 [Cas] antibody.



Immunofluorescence staining of human fibroblasts.

Preparation and Storage

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

BD Biosciences

bdbiosciences.com

United States	Canada	Europe	Japan	Asia Pacific	Latin America/Caribbean
877.232.8995	888.259.0187	32.53.720.550	0120.8555.90	65.6861.0633	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. ©2006 BD



BD

BD Biosciences

Application Notes

Application

Western blot	Routinely Tested
Immunofluorescence	Tested During Development
Immunohistochemistry-formalin (antigen retrieval required)	Tested During Development
Immunoprecipitation	Tested During Development

Suggested Companion Products

Catalog Number	Name	Size	Clone
611450	Human Endothelial Cell Lysate	500 µg	(none)
554002	HRP Goat Anti-Mouse Igs	1.0 ml	(none)
554001	FITC Goat Anti-Mouse Igs	0.5 mg	Polyclonal

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/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

Derkinderen P, Toutant M, Kadare G, Ledent C, Parmentier M, Girault JA. Dual role of Fyn in the regulation of FAK+6,7 by cannabinoids in hippocampus. *J Biol Chem.* 2001; 276(41):38289-38296.(Biology: Immunoprecipitation, Western blot)

Hermanto U, Zong CS, Li W, Wang LH. RACK1, an insulin-like growth factor I (IGF-I) receptor-interacting protein, modulates IGF-I-dependent integrin signaling and promotes cell spreading and contact with extracellular matrix. *Mol Cell Biol.* 2002; 22(7):2345-2365.(Biology: Immunoprecipitation, Western blot)

Kook S, Shim SR, Choi SJ, et al. Caspase-mediated cleavage of p130cas in etoposide-induced apoptotic Rat-1 cells. *Mol Biol Cell.* 2000; 11(3):929-939.(Biology: Western blot)

Nagashima K, Endo A, Ogita H, et al. Adaptor protein Crk is required for ephrin-B1-induced membrane ruffling and focal complex assembly of human aortic endothelial cells. *Mol Biol Cell.* 2002; 13(12):4231-4242.(Biology: Immunofluorescence, Immunoprecipitation, Western blot)

Sakai R, Iwamatsu A, Hirano N, et al. A novel signaling molecule, p130, forms stable complexes in vivo with v-Crk and v-Src in a tyrosine phosphorylation-dependent manner. *EMBO J.* 1994; 13(16):3748-3756.(Biology)