

Technical Data Sheet

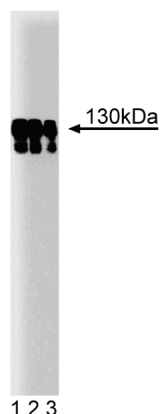
Purified Mouse Anti-p130 [Cas]**Product Information**

Material Number:	610271
Size:	50 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.

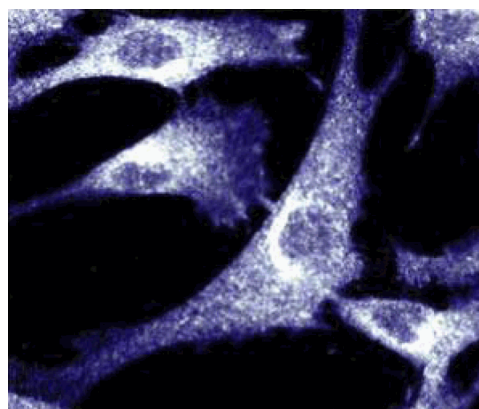
Description

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 cell 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.

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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

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