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-scr, it may be a v-scr 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.

Preparation and Storage

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


Immunofluorescence staining of human fibroblasts.
Application Notes

Application

<table>
<thead>
<tr>
<th>Application</th>
<th>Tested During Development</th>
<th>Routinely Tested</th>
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<tbody>
<tr>
<td>Western blot</td>
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<tr>
<td>Immunofluorescence</td>
<td></td>
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<tr>
<td>Immunohistochemistry-formalin (antigen retrieval required)</td>
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<tr>
<td>Immunoprecipitation</td>
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Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
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</thead>
<tbody>
<tr>
<td>611450</td>
<td>Human Endothelial Cell Lysate</td>
<td>500 µg</td>
<td>(none)</td>
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<tr>
<td>554002</td>
<td>HRP Goat Anti-Mouse Igs</td>
<td>1.0 ml</td>
<td>(none)</td>
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<tr>
<td>554001</td>
<td>FITC Goat Anti-Mouse Igs</td>
<td>0.5 mg</td>
<td>Polyclonal</td>
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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
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


