

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human/Mouse/Rat                                                                                                                                                                                                                                                             |
| <b>Specificity</b>        | Detects endogenous human, mouse and rat p130Cas in Western blots.                                                                                                                                                                                                           |
| <b>Source</b>             | Polyclonal Sheep IgG                                                                                                                                                                                                                                                        |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human p130Cas<br>Met66-Val412<br>Accession # P56945                                                                                                                                                                                     |
| <b>Conjugate</b>          | Alexa Fluor 700<br>Excitation Wavelength: 675-700 nm<br>Emission Wavelength: 723 nm                                                                                                                                                                                         |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

#### PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

#### BACKGROUND

p130Cas (protein 130 kDa Crk-associated substrate; also BCAR1) is a cytoplasmic member of the CAS family of proteins. Although its predicted MW is 93 kDa, it runs anomalously at 105-130 kDa in SDS-PAGE. It is found in a wide variety of cell types. p130Cas is involved in cell spreading and migration (but not adhesion), and its cleavage into a 31 kDa fragment promotes anoikis and cell death. Human p130Cas is 870 amino acids (aa) in length. It contains one SH3 domain (aa 3-65), a Pro-rich region (aa 74-87), at least 10 phosphotyrosine (aa 128-410) and four phosphoserine (aa 134-639) sites, an SH3 binding motif (aa 635-643) and a HLH dimerization segment that interacts with CASL.

#### PRODUCT SPECIFIC NOTICES

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