

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse and rat p130Cas in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human p130Cas Met66-Val412 Accession # P56945
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	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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