

DESCRIPTION

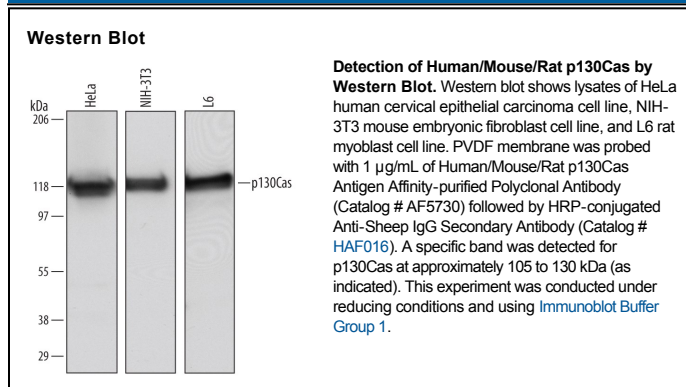
Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse and rat p130Cas in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human p130Cas Met66-Val412 Accession # P56945
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.