

Product datasheet

Anti-p130 antibody ab89459

[1 References](#) [2 Images](#)

Overview

Product name	Anti-p130 antibody
Description	Mouse monoclonal to p130
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow, Orangutan
Immunogen	Recombinant fragment: VTPVSTATHS LSRLHTMLG LRNAPSEKLE QILRTCSRDP TQAIANRLKE MFEISQHFQ PDEDFSNCAK EIASKHFRFA EMLYKVLLES VIEQEQKRLG , corresponding to amino acids 416-516 of Human p130 with proprietary tag (NP_005602) Run BLAST with ExPASy Run BLAST with NCBI
Positive control	293 cell lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 1X PBS, pH 7.2
Purity	Protein A purified
Clonality	Monoclonal
Isotype	IgG2a
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab89459** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 128 kDa (predicted molecular weight: 128 kDa).
ELISA		Use at an assay dependent dilution.

Target

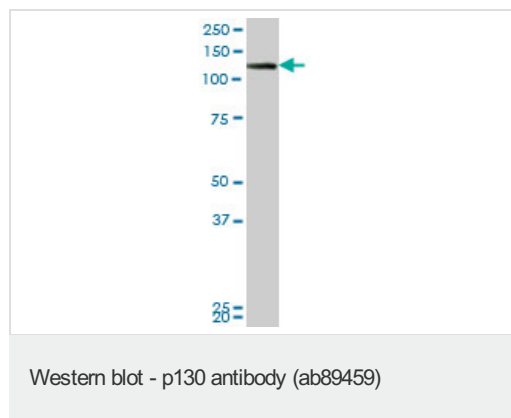
Relevance

p130 is a key regulator of entry into cell division. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases SUV420H1 and SUV420H2, leading to epigenetic transcriptional repression. Controls histone H4 'Lys-20' trimethylation. Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters. Potent inhibitor of E2F-mediated trans-activation, associates preferentially with E2F5. Binds to cyclins A and E. Binds to and may be involved in the transforming capacity of the adenovirus E1A protein. May act as a tumor suppressor.

Cellular localization

Nuclear

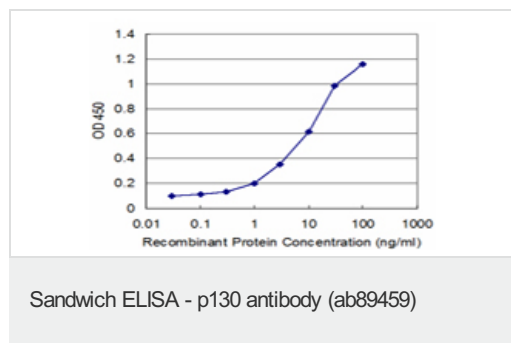
Images



Anti-p130 antibody (ab89459) at 1 µg/ml +
293 cell lysate at 50 µg

Predicted band size : 128 kDa

Observed band size : 128 kDa



Detection limit for recombinant tagged
ab89459 is approximately 1 ng/ml as a capture
antibody

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