

Datasheet for 600-401-MP1**p130 Antibody****Overview**

Description:	Anti-p130 (RABBIT) Antibody - 600-401-MP1
Item No.:	600-401-MP1
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Retinoblastoma-Associated Protein (130 KDa) is a key regulator of entry into cell division. p130 is directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. It recruits and targets histone methyltransferases KMT5B and KMT5C, leading to epigenetic transcriptional repression and controls histone H4 'Lys-20' trimethylation. Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters and is a potent inhibitor of E2F-mediated trans-activation, associates preferentially with E2F5. It binds to cyclins A and E, as well as, binds to and may be involved in the transforming capacity of the adenovirus E1A protein. p130 may act as a tumor suppressor. Anti-p130 Antibody may be useful for researchers interested in Adipogenesis, Retinoblastoma, and Retinal Cancer.
Synonyms:	Rabbit Anti-p130 Antibody, Rabbit Anti-Retinoblastoma-like protein 2 Antibody, RB Transcriptional Corepressor Like 2, 130 KDa Retinoblastoma-Associated Protein, Retinoblastoma-Related Protein 2, Retinoblastoma-Like Protein 2, Retinoblastoma-Like 2, RBR-2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RBL2
Reactivity:	Human

Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-p130 antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a C-terminal portion of human Retinoblastoma-like protein 2 conjugated to Keyhole Limpet Hemocyanin (KLH).
Purity/Specificity:	This affinity purified antibody is directed against human Retinoblastoma-like protein 2. This product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross-reactivity with the antigen based on 100% homology with the immunizing sequence to rat, human, and mouse.
Relevant Links:	• UniProtKB - Q08999 • NCBI - NP_001310537.1 • GeneID - 5934

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-p130 Antibody has been tested in ELISA and WB. Expect bands ~128.4 kDa in western blot using appropriate tissues or lysates. Positive control used: MOLT-4 lysate in western blot.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:50,000
WB:	1 µg/ml

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.92 mg/ml by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Rabbit Anti-p130 Antibody. Lane 1: MOLT-4 Lysate (p/n W09-001-GK2) (1µg) [+]. Lane 2: MOLT-4 Lysate (p/n W09-001-GK2) (10µg) [+]. Lane 3: Human Eye Lysate (1µg) [-]. Lane 4: Human Eye Lysate (10µg) [-]. Lane 5: Opal Pre-stained Molecular Weight Marker (p/n MB-210-0500). Primary Antibody: Anti-p130 at 1:1000 overnight at 2-8°C. Secondary Antibody: Goat Anti-Rabbit IgG HRP (p/n 611-103-122) at 1:10,000 for 1hr at RT. Blocking Buffer: Universal BlockOut (p/n MB-073). Predicted MW: ~128.4kDa. Observed MW: ~125kDa. Exposure: 15sec.

Disclaimer

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