[KD Validated] Anti-Phospho-Rb2/p130 (Thr986) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R020064

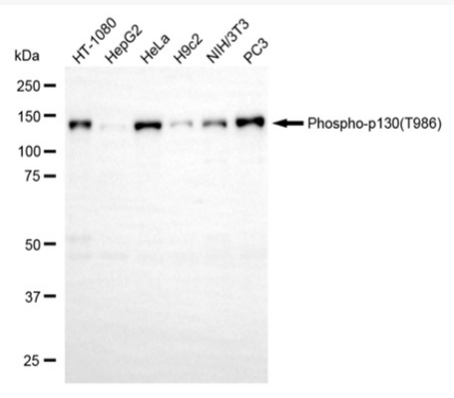
Product Information

Application	WB
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:5,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	77S24D95
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-Rb2/p130 (Thr986)
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-Phospho-Rb2/p130 (Thr986) Rabbit mAb [77S24D95] is for research use only and not for use in diagnostic or therapeutic procedures.

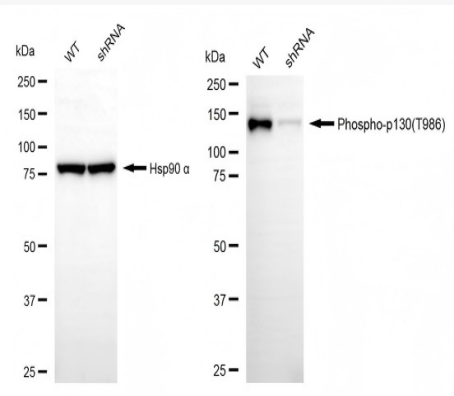
Protein Information

Synonyms	RB Transcriptional Corepressor Like 2; P130; Rb2; 130 KDa Retinoblastoma-Associated Protein; Retinoblastoma-Related Protein 2; Retinoblastoma-Like Protein 2; Retinoblastoma-Like 2; RBR-2; BRUWAG ; PRB2; PRb2; RB2.
Calculated MW	Calculated MW: 128 kDa; Observed MW: 128 kDa
Uniprot ID	Q08999
Gene ID	5934
Background	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 KMT5B and KMT5C, 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 Location	Nucleus.

Validation Images



Western blotting analysis using phospho-p130(T986) antibody (R020064). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with phospho-p130(T986) antibody (R020064, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using phospho-p130 (T986) antibody (R020064). Phospho-p130 (T986) expression in wild-type (WT) and RBL2 shRNA knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with phospho-p130 (T986) antibody (R020064, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.