



RB3 Polyclonal Antibody

Cat #: ABP56645

Size: 30µl /100µl /200µl

Product Information

	Product Name: RB3 Polyclonal Antibody		
	Applications: WB, IHC-P, ELISA		Isotype: Rabbit IgG
	Reactivity: Human, Mouse, Rat		
REF	Catalog Number: ABP56645	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: RB3 (Stathmin-4), encoded by STMN4 gene, is a neuron-specific homologue of the SCG10/stathmin family proteins, possessing a unique N-terminal membrane-associated domain and the stathmin-like domain at the C terminus, which promotes microtubule (MT) catastrophe and/or tubulin sequestering. Stathmin is a ubiquitous cytosolic phosphoprotein, preferentially expressed in the nervous system, and described as a relay integrating diverse intracellular signaling pathways. RB3 is consistently up-regulated in differentiated neuroblastoma cells, and stable expression of transfected RB3 could induce differentiation, suggesting a role of RB3 during neuroblastoma differentiation. Moreover, increased RB3 is a unique response protein in the stathmin-related proteins following optical nerve axotomy and RB3 may be a critical target for neurodegenerative diseases.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), ELISA (1:40000). Not yet tested in other applications.

Storage Buffer: PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.