

# STMN4 Polyclonal Antibody

Catalog NumberPA5-39485

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody	Western Blot (WB)	1:500-1:1,000
Immunogen	A synthetic peptide derived from the C-terminal region of human STMN4	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Storage Conditions	-20°C		

## Background/Target Information

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.

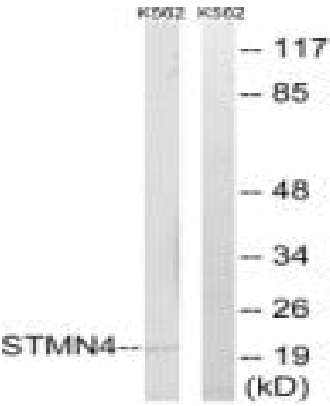
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Product Images For STMN4 Polyclonal Antibody



**STMN4 Antibody (PA5-39485) in WB**  
Western blot analysis of STMN4/Stathmin 4 in extracts from K562 cells using a STMN4/Stathmin 4 polyclonal antibody (Product # PA5-39485).

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