

SMPD4 Polyclonal Antibody

Catalog NumberPA5-25797

Product data sheet

Details		Tested Applications	Dilution *
Size	400 µL	Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100
Host/Isotope	Rabbit / IgG		Western Blot (WB)
Class	Polyclonal		
Type	Antibody		
Immunogen	KLH conjugated synthetic peptide between 80-108 amino acids from the N-terminal region of human SMPD4		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	Lot-specific		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

* 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.

Background/Target Information

The protein encoded by SMPD4 is a sphingomyelinase that catalyzes the hydrolysis of membrane sphingomyelin to form phosphorylcholine and ceramide. This gene is activated by DNA damage, cellular stress, and tumor necrosis factor, but it is downregulated by wild-type p53. The encoded protein localizes to the endoplasmic reticulum and Golgi network.

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