

# GPS2 Polyclonal Antibody

Catalog NumberPA1-27994

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody	Western Blot (WB)	1:10,000
Immunogen	Immunogen was a synthetic peptide, which represented a portion of human COP9 signalosome complex subunit 2 encoded within exons 8 and 9 (LocusLink ID 2873).		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Storage Conditions	4° C		

\* 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.

## Product specific information

PA1-27994 detects CSN2 from human and mouse samples. PA1-27994 has been successfully used in Western blot applications. The PA1-27994 immunogen is: Immunogen was a synthetic peptide, which represented a portion of human COP9 signalosome complex subunit 2 encoded within exons 8 and 9 (LocusLink ID 2873).

## Background/Target Information

This gene encodes a protein involved in G protein-mitogen-activated protein kinase (MAPK) signaling cascades. When overexpressed in mammalian cells, this gene could potentially suppress a RAS- and MAPK-mediated signal and interfere with JNK activity, suggesting that the function of this gene may be signal repression. The encoded protein is an integral subunit of the NCOR1-HDAC3 (nuclear receptor corepressor 1-histone deacetylase 3) complex, and it was shown that the complex inhibits JNK activation through this subunit and thus could potentially provide an alternative mechanism for hormone-mediated antagonism of AP1 (activator protein 1) function.

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