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# SDPR Polyclonal Antibody

Catalog Number PA5-34521 Product data sheet

Details	
Size	100 μg
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Туре	Antibody
Immunogen	An 18 amino acid peptide near the amino terminus of human SDPR
Conjugate	Unconjugated
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.02% sodium azide
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C

Species Reactivity	
Species reactivity	Human
Tested Applications	Dilution *
Immunohistochemistry (IHC)	5 μg/mL
Western Blot (WB)	1-2 μg/mL

<sup>\*</sup> 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

A suggested positive control is Hela cell lysate. PA5-34521 can be used with blocking peptide PEP-1564.

### Background/Target Information

The serum deprivation-response protein (SDPR) is a calcium-independent phospholipid-binding protein whose expression is increased in serum-starved cells. SDPR is a substrate for protein kinase C (PKC) phosphorylation and recruits the polymerase I and transcript release factor (PTRF) to caveolae. Removal of this protein causes caveolae loss and its over-expression results in caveolae deformation and membrane tubulation. Both SDPR and PTRF, as well as the other member of the cavin family PRKCDBP were down regulated in breast cancer cell lines and breast tumor tissue, suggesting that expression of the cavin family proteins could be a useful prognostic indicator of breast cancer progression.

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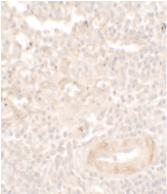
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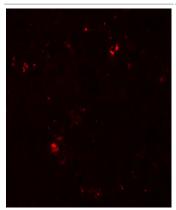


# Product Images For SDPR Polyclonal Antibody



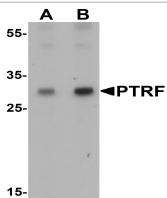
#### SDPR Antibody (PA5-34521) in IHC

Immunohistochemistry of SDPR in human spleen tissue with SDPR Polyclonal Antibody (Product # PA5-34521) at 5 ug/mL.



# SDPR Antibody (PA5-34521) in IHC

Immunofluorescence of SDPR in human spleen tissue with SDPR Polyclonal Antibody (Product # PA5-34521) at 20 µg /mL.



## SDPR Antibody (PA5-34521) in WB

Western Blot analysis of SDPR in HeLa cell lysate with SDPR Polyclonal Antibody (Product # PA5-34521) at (A) 1 and (B)  $2 \mu g/mL$ 

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