

SPR Polyclonal Antibody

Catalog NumberPA5-22293

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Immunoprecipitation (IP)	1:100-1:500
Immunogen	Recombinant fragment corresponding to a region within amino acids 65 and 261 of SPR (Uniprot ID#P35270)	Western Blot (WB)	1:500-1:3,000
		Immunocytochemistry (ICC/IF)	1:100-1:1,000
Conjugate	Unconjugated	* 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.	
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 20% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: 293T, A431, H1299, HeLa, HepG2. Predicted reactivity: Rabbit (86%), Rhesus Monkey (97%), Bovine (82%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

SPR encodes an aldo-keto reductase that catalyzes the NADPH-dependent reduction of pteridine derivatives and is important in the biosynthesis of tetrahydrobiopterin (BH4). Mutations in this gene result in DOPA-responsive dystonia due to sepiaterin reductase deficiency. A pseudogene has been identified on chromosome 1.

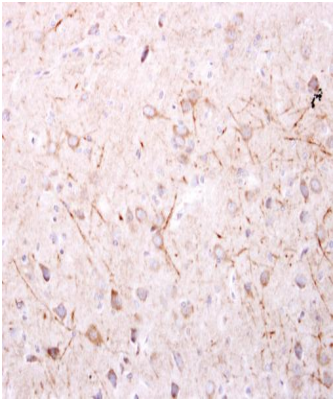
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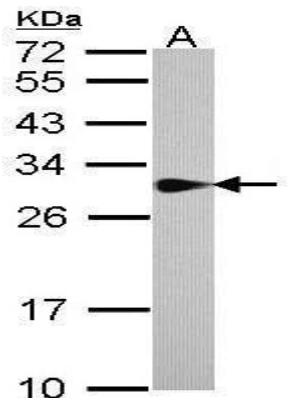
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Product Images For SPR Polyclonal Antibody



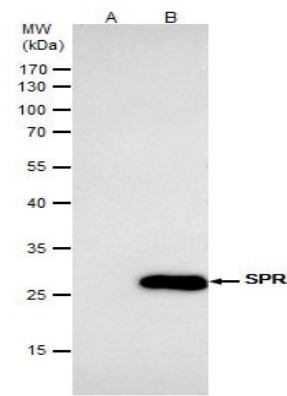
SPR Antibody (PA5-22293) in IHC (P)

SPR Polyclonal Antibody detects SPR protein at cytosol on mouse fore brain by immunohistochemical analysis. Sample: Paraffin-embedded mouse fore brain. SPR Polyclonal Antibody (Product # PA5-22293) dilution: 1:500. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



SPR Antibody (PA5-22293) in WB

Western Blot using SPR Polyclonal Antibody (Product # PA5-22293). Sample (30 µg of whole cell lysate). Lane A: A431. 12% SDS PAGE. SPR Polyclonal Antibody (Product # PA5-22293) diluted at 1:1,000.



SPR Antibody (PA5-22293) in IP

SPR Polyclonal Antibody immunoprecipitates SPR protein in IP experiments. IP samples: A431 whole cell extract. A. Control with 4 µg of preimmune Rabbit IgG. B. Immunoprecipitation of SPR protein by 4 µg SPR Polyclonal Antibody (Product # PA5-22293). 5 % SDS-PAGE. The immunoprecipitated SPR protein was detected by SPR Polyclonal Antibody (Product # PA5-22293) diluted at 1:500.

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