

**SPR Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5354****Specification**

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**SPR Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P35270</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=28 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**SPR Antibody (C-term) - Additional Information****Gene ID** 6697**Antigen Region**  
139-170**Other Names**  
Sepiapterin reductase, SPR, SPR**Dilution**  
WB~~1:1000**Target/Specificity**  
This SPR antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 139-170 amino acids from the C-terminal region of human SPR.**Format**  
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.**Storage**  
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.**Precautions**  
SPR Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.**SPR Antibody (C-term) - Protein Information****Name** SPR

**Function**

Catalyzes the final one or two reductions in tetra- hydrobiopterin biosynthesis to form 5,6,7,8-tetrahydrobiopterin.

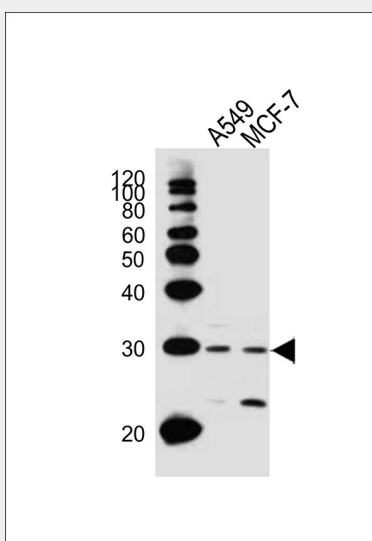
**Cellular Location**

Cytoplasm.

**SPR Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SPR Antibody (C-term) - Images**

All lanes : Anti-SPR Antibody (C-term)(AW5354) at 1/1000 dilution Lane 1: A549 whole cell lysates Lane 2: MCF-7 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 30 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

**SPR Antibody (C-term) - Background**

Catalyzes the final one or two reductions in tetra- hydrobiopterin biosynthesis to form 5,6,7,8-tetrahydrobiopterin.

**SPR Antibody (C-term) - References**

Ichinose H.,et al.Biochem. Biophys. Res. Commun. 179:183-189(1991).  
Maier J.,et al.Exp. Cell Res. 204:217-222(1993).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Suzuki Y., et al. Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.  
Hillier L.W., et al. Nature 434:724-731(2005).