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SPR Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9950B

Specification

SPR Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P35270
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**231-260**

SPR Antibody (C-term) - Additional Information

Gene ID 6697

Other Names
Sepiapterin reductase, SPR, SPR

Target/Specificity
This SPR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 231-260 amino acids from the C-terminal region of human SPR.

Dilution
WB~~1:1000

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

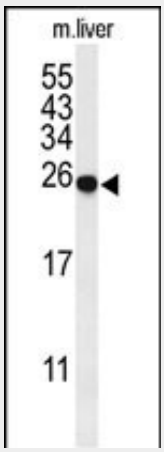
Cytoplasm.

SPR Antibody (C-term) - Protocols

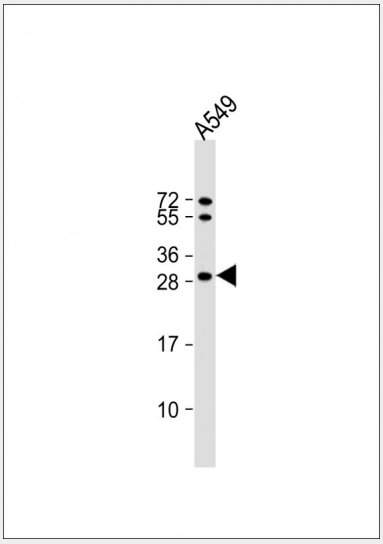
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SPR Antibody (C-term) - Images



Western blot analysis of SPR Antibody (C-term) (Cat.#AP9950b) in mouse liver tissue lysates (35ug/lane). SPR (arrow) was detected using the purified Pab.



Anti-SPR Antibody (C-term) at 1:1000 dilution + A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.

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Predicted band size : 28 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

SPR Antibody (C-term) - Background

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.

SPR Antibody (C-term) - References

Leu-Semenescu, S., et al. Sleep 33(3):307-314(2010) Schnetz-Boutaud, N.C., et al. Genes Brain Behav. 8(8):753-757(2009) Clot, F., et al. Brain 132 (PT 7), 1753-1763 (2009)

SPR Antibody (C-term) - Citations

- Chitinase-like proteins are candidate biomarkers for sepsis-induced acute kidney injury.