

Product datasheet for **TA307911**

SPR Rabbit Polyclonal Antibody

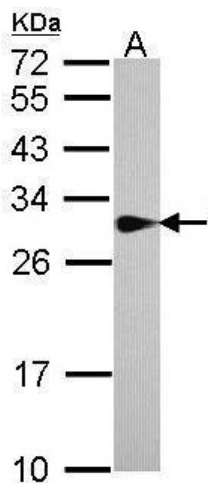
Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, IP, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human (Predicted: Bovine)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 65 and 261 of SPR (Uniprot ID#P35270)
Formulation:	0.1M Tris, 0.1M Glycine, 20% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	28 kDa
Gene Name:	sepiapterin reductase (7,8-dihydrobiopterin:NADP+ oxidoreductase)
Database Link:	NP_003115 Entrez Gene 6697 Human P35270
Background:	This gene 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 sepiapterin reductase deficiency. A pseudogene has been identified on chromosome 1. [provided by RefSeq]
Synonyms:	SDR38C1
Note:	Seq homology of immunogen across species: Bovine (82%)
Protein Families:	Druggable Genome

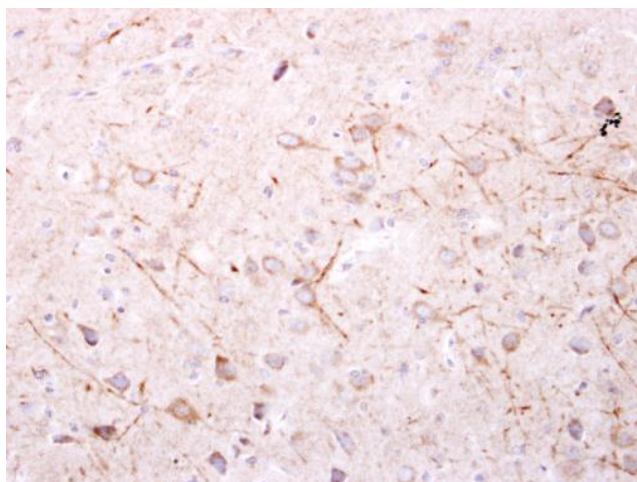

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Protein Pathways: Folate biosynthesis, Metabolic pathways

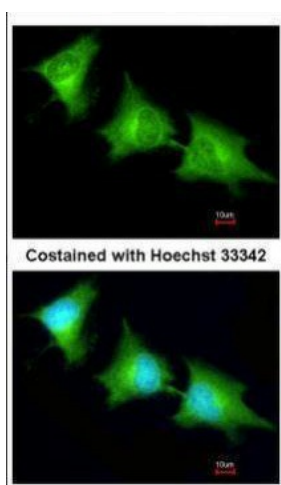
Product images:



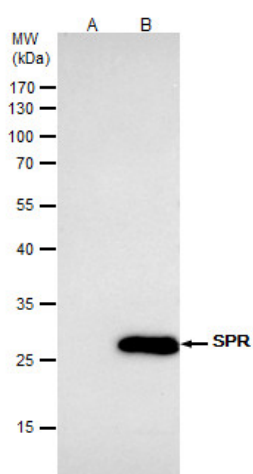
Sample (30 ug of whole cell lysate). A: A431. 12% SDS PAGE. TA307911 diluted at 1:1000.



SPR antibody [N2C3] detects SPR protein at cytosol on mouse fore brain by immunohistochemical analysis. Sample: Paraffin-embedded mouse fore brain. SPR antibody [N2C3] (TA307911) dilution: 1:500.



Immunofluorescence analysis of methanol-fixed HeLa, using SPR (TA307911) antibody at 1:200 dilution.



SPR antibody [N2C3] 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 antibody [N2C3] (TA307911). 5 % SDS-PAGE. The immuno