Product datasheet for AP54030PU-N

SPR (C-term) Rabbit Polyclonal Antibody

Product data:

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Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	**Western blot**: 1/100-1/500. Enzyme immunoassay: 1/1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the C-terminal region (between 232-261aa) of human Sepiapterin reductase / SPR.
Specificity:	This antibody recognizes Sepiapterin reductase / SPRat N-term.
Formulation:	PBS with 0.09% (W/V) Sodium azide State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Purified through a Protein A column followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	sepiapterin reductase (7,8-dihydrobiopterin:NADP+ oxidoreductase)
Database Link:	Entrez Gene 6697 Human P35270
Background:	The SPR 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.
Synonyms:	SDR38C1, EC 1.1.1.153

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Note: **Molecular Weight:** 28048 Da

Protein Families: Druggable Genome

Protein Pathways: Folate biosynthesis, Metabolic pathways

Product images:
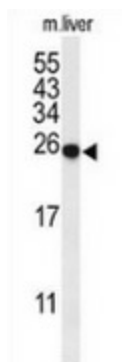
Western blot analysis of Sepiapterin reductase (arrow) in mouse liver tissue lysates (35ug/lane) using Sepiapterin reductase / SPR antibody.