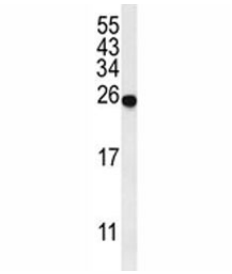
SPR Antibody / Sepiapterin reductase (F52016)

Catalog No.	Formulation	Size
F52016-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52016-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P35270
Applications	Western blot: 1:1000
Limitations	This SPR antibody is available for research use only.



Western blot analysis of SPR antibody and mouse liver tissue lysate. Predicted molecular weight ~28 kDa.

Description

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.

Application Notes

Titration of the SPR antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 231-260 from the human protein was used as the immunogen for this SPR antibody.

Storage

Aliquot the SPR antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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