

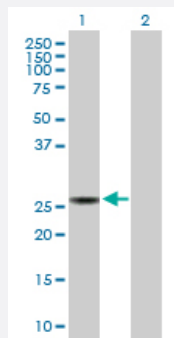
MaxPab®

## SPR purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00006697-D01P

Size 100 ug

### Applications



#### Western Blot (Transfected lysate)

Western Blot analysis of SPR expression in transfected 293T cell line ([H00006697-T01](#)) by SPR MaxPab polyclonal antibody.

Lane 1: SPR transfected lysate(28.00 KDa).

Lane 2: Non-transfected lysate.

### Specification

|                         |                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description     | Rabbit polyclonal antibody raised against a full-length human SPR protein.                                                                                                                                                                                                         |
| Immunogen               | SPR (AAH17310.1, 1 a.a. ~ 261 a.a) full-length human protein.                                                                                                                                                                                                                      |
| Sequence                | MEGGLGRAVCLLTGASRGFGRTLAPLLASLLSPGSLVLSARNDEALRQLEAELGAERSGLRVV<br>RVPADLGAEAGLQQLLGALRELPRPKGLQRLLINNAGSLGDVSKGFVDLSDSTQVNNYWALNLT<br>SMLCLTSSVLKAFDPSPGLNRTVVNISSLCALQPFKGWALYCAGKAARDMLFQVLALEEPNVRV<br>LNYAPGPLDMDMQLARETSVDPDMRKGLQELKAKGKLVDCVKVSAQKLLSLEKDEFKSGAHV<br>DFYDK |
| Host                    | Rabbit                                                                                                                                                                                                                                                                             |
| Reactivity              | Human                                                                                                                                                                                                                                                                              |
| Quality Control Testing | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                            |
| Storage Buffer          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                  |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                           |

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of SPR expression in transfected 293T cell line ([H00006697-T01](#)) by SPR MaxPab polyclonal antibody.

Lane 1: SPR transfected lysate(28.00 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

## Gene Info — SPR

Entrez GeneID [6697](#)

GeneBank Accession# [NM\\_003124.3](#)

Protein Accession# [AAH17310.1](#)

Gene Name SPR

Gene Alias SDR38C1

Gene Description sepiapterin reductase (7,8-dihydrobiopterin:NADP+ oxidoreductase)

Omim ID [182125](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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]

**Other Designations** short chain dehydrogenase/reductase family 38C, member 1

## Pathway

- [Folate biosynthesis](#)
- [Metabolic pathways](#)

## Disease

- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Dystonic Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Parkinson disease](#)
- [Parkinsonian Disorders](#)