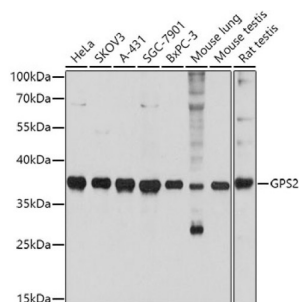
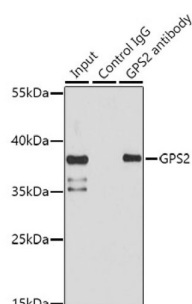


## G Protein Pathway Suppressor 2 (GPS2) Antibody

Catalogue No.: abx002842



Western blot analysis of extracts of various cell lines using GPS2 Antibody (1/3000 dilution).



Immunoprecipitation analysis of extracts of HeLa cells (150 µg) using GPS2 Antibody (3 µg). Western blot was performed from the immunoprecipitate using GPS2 Antibody (1/1000 dilution).

GPS2 Antibody is a Rabbit Polyclonal antibody against GPS2. This gene encodes a protein involved in G protein-mitogen-activated protein kinase (MAPK) signaling cascades. When overexpressed in mammalian cells, this gene could potentially suppress a RAS- and MAPK-mediated signal and interfere with JNK activity, suggesting that the function of this gene may be signal repression. The encoded protein is an integral subunit of the NCOR1-HDAC3 (nuclear receptor corepressor 1-histone deacetylase 3) complex, and it was shown that the complex inhibits JNK activation through this subunit and thus could potentially provide an alternative mechanism for hormone-mediated antagonism of AP1 (activator protein 1) function.

**Target:** G Protein Pathway Suppressor 2 (GPS2)

**Clonality:** Polyclonal

**Reactivity:** Human, Mouse, Rat

**Tested Applications:** WB, IP

**Host:** Rabbit

**Recommended dilutions:** WB: 1/500 - 1/2000, IP: 1/20 - 1/50. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** A synthetic peptide corresponding to mouse GPS2

**Isotype:** IgG

# Datasheet

Version: 4.0.0  
Revision date: 22 Jun 2025



|                            |                                                                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Form:</b>               | Liquid                                                                                                                                     |
| <b>Purification:</b>       | Purified by affinity chromatography.                                                                                                       |
| <b>Storage:</b>            | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.                                                                             |
| <b>UniProt Primary AC:</b> | Q13227 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )                                                                                |
| <b>Gene Symbol:</b>        | GPS2                                                                                                                                       |
| <b>GeneID:</b>             | <a href="#">2874</a>                                                                                                                       |
| <b>NCBI Accession:</b>     | NP_062700.2                                                                                                                                |
| <b>KEGG:</b>               | hsa:2874                                                                                                                                   |
| <b>String:</b>             | <a href="#">9606.ENSP00000370104</a>                                                                                                       |
| <b>Molecular Weight:</b>   | Calculated MW: 20 kDa<br>Observed MW: 37 kDa                                                                                               |
| <b>Buffer:</b>             | PBS, pH 7.3, containing 0.01% thiomersal, 50% glycerol.                                                                                    |
| <b>Concentration:</b>      | 1 mg/ml                                                                                                                                    |
| <b>Note:</b>               | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |