

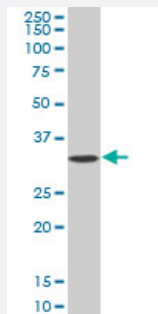
MaxPab®

# SLC25A5 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000292-B01P

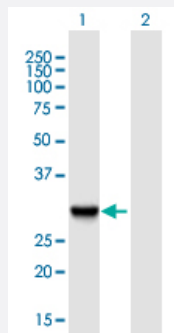
Size 50 ug

## Applications



### Western Blot (Tissue lysate)

SLC25A5 MaxPab polyclonal antibody. Western Blot analysis of SLC25A5 expression in human liver.



### Western Blot (Transfected lysate)

Western Blot analysis of SLC25A5 expression in transfected 293T cell line ([H00000292-T01](#)) by SLC25A5 MaxPab polyclonal antibody.

Lane 1: SLC25A5 transfected lysate(32.89 KDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Mouse polyclonal antibody raised against a full-length human SLC25A5 protein.

### Immunogen

SLC25A5 (AAH56160, 1 a.a. ~ 298 a.a) full-length human protein.

### Sequence

MTDAAVSFAKDFLAGGVAAAISKTA VAPIERVKLLQVQHASKQITADKQYKGII DCVVRIPKEQGV  
LSFWRGNLANVIRYFPTQALNFAFKDKYKQIFLG GVDKRTQFWRYFAGNLASGGAAGATSLCFVY  
PLDFARTRLAADV GKAGAEREFRGLGDCLVKIYKSDGIKGLYQGFNVSVQGI IYRAAYFGYDTAKG  
MLPDPKNTHVISWMI AQTVTAVAGLTSYPFDTVRRRMMM QSGRKGTDIMYTGTLDCWRKIARDEG  
GKAFFKGAWSNVLRGMGGAFVLVLYDEIKKYT

### Host

Mouse

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Reactivity                    | Human                                                                    |
| Interspecies Antigen Sequence | Mouse (99); Rat (99)                                                     |
| 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. |

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[Protocol Download](#)

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[Protocol Download](#)

## Gene Info — SLC25A5

|                     |                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">292</a>                                                                         |
| GeneBank Accession# | <a href="#">BC056160</a>                                                                    |
| Protein Accession#  | <a href="#">AAH56160</a>                                                                    |
| Gene Name           | SLC25A5                                                                                     |
| Gene Alias          | 2F1, AAC2, ANT2, T2, T3                                                                     |
| Gene Description    | solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5 |
| Omim ID             | <a href="#">300150</a>                                                                      |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                   |

**Gene Summary**

This gene is a member of the mitochondrial carrier subfamily of solute carrier protein genes. The product of this gene functions as a gated pore that translocates ADP from the mitochondrial matrix into the cytoplasm. The protein forms a homodimer embedded in the inner mitochondria membrane. Suppressed expression of this gene has been shown to induce apoptosis and inhibit tumor growth. The human genome contains several non-transcribed pseudogenes of this gene

**Other Designations**

OTTHUMP00000024324|adenine nucleotide translocator 2 (fibroblast)|solute carrier family 25, member 5

## Publication Reference

- [Lysine methylation by the mitochondrial methyltransferase FAM173B optimizes the function of mitochondrial ATP synthase.](#)

Malecki JM, Willems HLDM, Pinto R, Ho AYY, Moen A, Kjønsdal IF, Burgering BMT, Zwartkruis F, Eijkelkamp N, Falnes PØ. The Journal of Biological Chemistry 2018 Dec; [Epub].

Application: WB, Mouse, Neu2A cells

- [The pleiotropic regulation of cyclin D1 by newly identified sesaminol-binding protein ANT2.](#)

Watanabe M, Iizumi Y, Sukeno M, Iizuka-Ohashi M, Sowa Y, Sakai T.

Amino Acids 2017 Apr; 6(4):e311.

Application: WB, Human, A-549, MCF-7, MDA-MB-231, RKO, SK-MEL-28 cells

## Pathway

- [Calcium signaling pathway](#)