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# SLC25A30 Rabbit pAb

SLC25A30 Rabbit pAb
Catalog # AP57935

## Product Information

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| **Application** | WB, IHC-P, IHC-F, IF |
| **Primary Accession** | Q5SVS4 |
| **Predicted** | Rat, Human, Mouse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 32475 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human SLC25A30 |
| **Epitope Specificity** | 1-100/291 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4. |
| **SUBCELLULAR LOCATION** | Mitochondrion inner membrane. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | Although the outer mitochondrial membrane is permeable to many small metabolites, transport of solutes across the inner mitochondrial membrane is achieved by members of the mitochondrial carrier protein family, such as SLC25A30 (Haguenauer et al., 2005 [PubMed 15809292]).[supplied by OMIM, Mar 2008] |

## Additional Information

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| **Gene ID** | 253512 |
| **Other Names** | Kidney mitochondrial carrier protein 1, Solute carrier family 25 member 30, Uncoupling protein 6, SLC25A30 (HGNC:27371) |
| **Dilution** | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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| **Name** | SLC25A30 ( HGNC:27371) |

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| **Function** | Antiporter that transports inorganic anions (sulfate, sulfite, thiosulfate and phosphate) and, to a lesser extent, a variety of dicarboxylates (e.g. malonate, malate and citramalate) and, even more so, aspartate (PubMed:31356773). The sulfate/sulfate exchange is much higher than the phosphate/phosphate and malate/malate exchanges (PubMed:31356773). The transport affinities is higher for sulfate and thiosulfate than for any other substrate (PubMed:31356773). May catalyze the export of sulfite and thiosulfate (the hydrogen sulfide degradation products) from the mitochondria, thereby modulating the level of the hydrogen sulfide (Probable). Also may mediate a very low unidirectional transport of sulfate, phosphate and (S)-malate (PubMed:31356773). |
| **Cellular Location** | Mitochondrion inner membrane {ECO:0000250\|UniProtKB:Q9CR58}; Multi-pass membrane protein |

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.