10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# SLC27A4 Rabbit mAb

Catalog # AP76092

## Product Information

| | |
|---|---|
| **Application** | WB, IP, ICC |
| **Primary Accession** | Q6P1M0 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Monoclonal Antibody |
| **Calculated MW** | 72064 |

## Additional Information

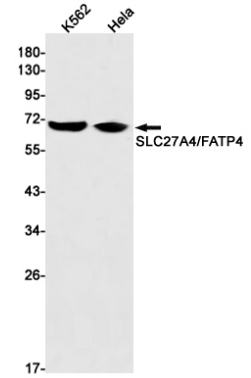
| | |
|---|---|
| **Gene ID** | 10999 |
| **Other Names** | SLC27A4 |
| **Dilution** | WB~~1/500-1/1000 IP~~N/A ICC~~N/A |
| **Format** | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

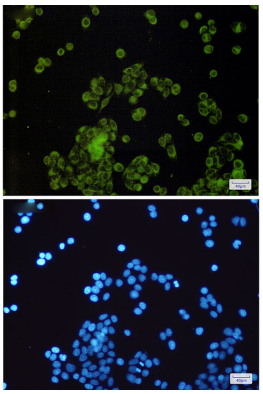
## Protein Information

| | |
|---|---|
| **Name** | SLC27A4 ( HGNC:10998) |
| **Function** | Mediates the levels of long-chain fatty acids (LCFA) in the cell by facilitating their transport across cell membranes (PubMed:10518211, PubMed:12556534, PubMed:20448275, PubMed:21395585, PubMed:22022213). Appears to be the principal fatty acid transporter in small intestinal enterocytes (PubMed:20448275). Also functions as an acyl-CoA ligase catalyzing the ATP-dependent formation of fatty acyl- CoA using LCFA and very-long-chain fatty acids (VLCFA) as substrates, which prevents fatty acid efflux from cells and might drive more fatty acid uptake (PubMed:22022213, PubMed:24269233). Plays a role in the formation of the epidermal barrier. Required for fat absorption in early embryogenesis (By similarity). Probably involved in fatty acid transport across the blood barrier (PubMed:21395585). Indirectly inhibits RPE65 via substrate competition and via production of VLCFA derivatives like lignoceroyl-CoA. Prevents light-induced degeneration of rods and cones (By similarity). |
| **Cellular Location** | Endoplasmic reticulum membrane; Multi-pass membrane protein |
| **Tissue Location** | Expressed at highest levels in brain, testis, colon and kidney. Expressed at |

medium levels in heart and liver, small intestine and stomach. Expressed at low levels in peripheral leukocytes, bone marrow, skeletal muscle and aorta. Expressed in adipose tissue (PubMed:24269233, PubMed:9878842). Expressed in brain gray matter (PubMed:21395585).

## Images



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