www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

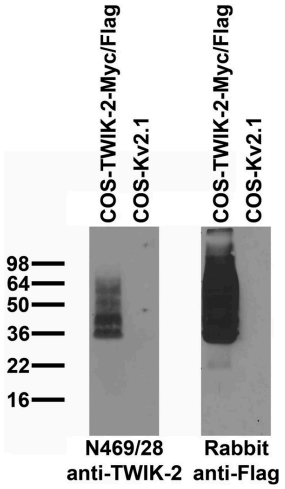
# Anti-TWIK-2 Antibody

## Product Details

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|---|---|
| **Available Variants** | 100 µL (SKU:75-463) |
| **Conjugate** | Unconjugated |
| **Isotype** | IgG1 |
| **Clone** | N469/28 |
| **Gene Name** | Kcnk6 |
| **Host Species** | Mouse |
| **Concentration** | 1 mg/mL |
| **Format** | Purified by Protein A chromatography |
| **Physical State** | Liquid |
| **Buffer** | 10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.125 |
| **Production Notes** | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. Purified mAbs are >90% specific antibody. |
| **Applications** | ELISA, ICC, WB |
| **Species Reactivity** | Mouse |
| **Immunogen** | Fusion protein amino acids 28-92 (first extracellular loop) of mouse TWIK-2 (accession number Q3TBV4) produced recombinantly in E. Coli |
| **Specificity** | No cross-reactivity reported |
| **Molecular Weight** | 35 kDa |
| **Quality Control** | Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern. |

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| **Storage** | Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap. |
| **Antibody Registry ID** | AB_2686915 |
| **UniProt ID** | Q3TBV4<br>UniProt Summary: K(+) channel that conducts outward rectifying currents at the membranes of the endolysosomal system. Active in lysosomes where it regulates lysosome numbers and size. In macrophages, enables K(+) efflux coupled to ATP-induced NLRP3 inflammasome activation upon bacterial infection. Cooperates with ATP-gated P2RX7 to activate NLRP3 inflammasome, with P2RX7 conducting Ca(2+) and Na(+) influx that sets the membrane potential for K(+) efflux. |
| **Country of Origin** | United States |
| **Shipping** | Shipped on ice packs |
| **Expiration** | 24 months from date of receipt |
| **Usage Statement** | These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans. |
| **NCBI Gene ID** | 52150 |

## Product Images




Immunoblot against extracts of COS cells transiently transfected with Myc/Flag-tagged TWIK-2 or untagged Kv2.1 plasmid probed with N469/28 (left) or rabbit anti-Flag (right).



Created on 30. October 2026 | All information without guarantee