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

PRODUCT DATASHEET

# Anti-TWIK-2 Antibody (BSA and Azide free)

## Product Details

| | |
|---|---|
| **Available Variants** | 100 µL (SKU:75-463-CF) |
| **Conjugate** | Unconjugated |
| **Isotype** | IgG1 |
| **Clone** | N469/28 |
| **Gene Name** | Kcnk6 |
| **Host Species** | Mouse |
| **Concentration** | Lot dependent: provided at 0.6-1.0 mg/mL |
| **Format** | Purified by Protein A chromatography |
| **Physical State** | Liquid |
| **Buffer** | PBS |
| **Production Notes** | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and buffer exchanged into 1X PBS. 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. |
| **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. |
| **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** | 12 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




Anti-TWIK-2 Antibody (BSA and Azide free)