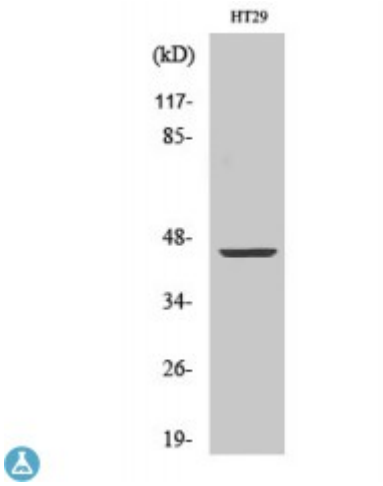
# Anti-TRAAK antibody

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| **Description** | Rabbit polyclonal to TRAAK. |

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| **Model** | STJ96079 |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse |
| **Applications** | ELISA, WB |
| **Immunogen** | Synthesized peptide derived from human TRAAK |
| **Immunogen Region** | 310-390 aa, C-terminal |
| **Gene ID** | 50801 |
| **Gene Symbol** | KCNK4 |
| **Dilution range** | WB 1:500-1:2000ELISA 1:40000 |
| **Specificity** | TRAAK Polyclonal Antibody detects endogenous levels of TRAAK protein. |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Note** | For Research Use Only (RUO). |
| **Protein Name** | Potassium channel subfamily K member 4 TWIK-related arachidonic acid-stimulated potassium channel protein TRAAK Two pore potassium channel KT4.1 Two pore K + channel KT4.1 |
| **Molecular Weight** | 45 kDa |
| **Clonality** | Polyclonal |
| **Conjugation** | Unconjugated |

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| **Isotype** | IgG |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Concentration** | 1 mg/ml |
| **Storage Instruction** | Store at -20°C, and avoid repeat freeze-thaw cycles. |
| **Database Links** | HGNC:6279OMIM:605720 |
| **Alternative Names** | Potassium channel subfamily K member 4 TWIK-related arachidonic acid-stimulated potassium channel protein TRAAK Two pore potassium channel KT4.1 Two pore K + channel KT4.1 |
| **Function** | Voltage-insensitive potassium channel . Channel opening is triggered by mechanical forces that deform the membrane . Channel opening is triggered by raising the intracellular pH to basic levels . The channel is inactive at 24 degrees Celsius (in vitro); raising the temperature to 37 degrees Celsius increases the frequency of channel opening, with a further increase in channel activity when the temperature is raised to 42 degrees Celsius . Plays a role in the perception of pain caused by heat . Plays a role in the sensory perception of pain caused by pressure . |
| **Sequence and Domain Family** | Channel opening is brought about by a conformation change that involves buckling of the second transmembrane helix and affects the position and orientation of the fourth transmembrane helix. |
| **Cellular Localization** | Cell membrane |
| **Post-translational Modifications** | N-glycosylated. |