

Product datasheet for **TA351788**

KCNK3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse heart tissue IHC: 10-50 Positive control: Human brain Predicted cell location: Cytoplasm and Cell membrane
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human KCNK3
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	45 kDa
Gene Name:	potassium two pore domain channel subfamily K member 3
Database Link:	NP_002237 Entrez Gene 16527 Mouse Entrez Gene 29553 Rat Entrez Gene 3777 Human O14649
Background:	TASK channels are highly sensitive to external pH in the physiological range. TASK-1 is expressed in brain and in rat heart, with high levels of expression in the right atrium. TASK-2, mainly expressed in kidney, is localized in cortical distal tubules and collecting ducts, suggesting a role in renal K ⁺ transport. TASK-3 from rat cerebellum shares 54% identity with TASK-1, but less than 30% identity with TASK-2 and other tandem pore K ⁺ channels.

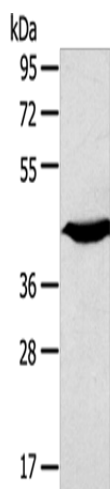


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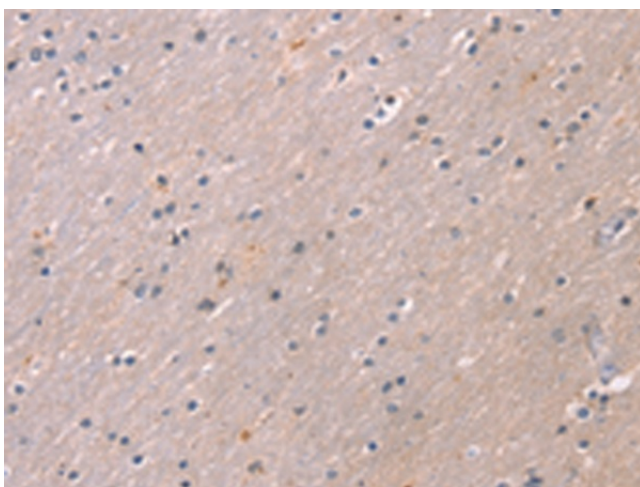
Synonyms: K2p3.1; OAT1; PPH4; TASK; TASK-1; TBAK1

Protein Families: Druggable Genome, Ion Channels: Potassium, Transmembrane

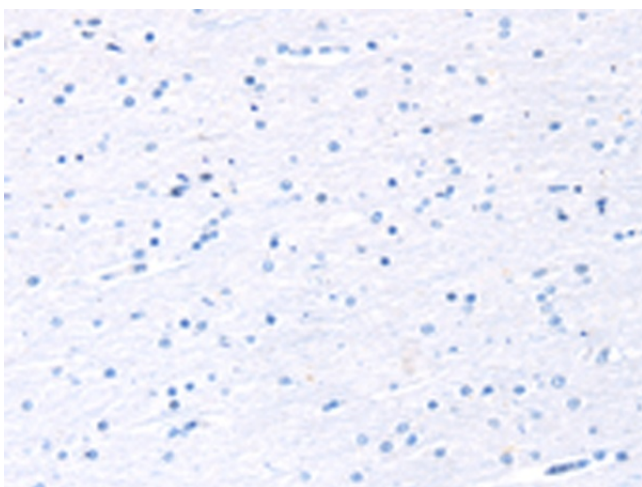
Product images:



Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane: Mouse heart tissue
Primary antibody: TA351788 (KCNK3 Antibody) at dilution 1/200
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 10 seconds



Immunohistochemistry of paraffin-embedded Human brain tissue using TA351788 (KCNK3 Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA351788 (KCNK3 Antibody) at dilution 1/20, treated with synthetic peptide. (Original magnification: x200)