

Product datasheet for **TA351312S**

KCNA7 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Hela cells and mouse kidney tissue IHC: 50-200 Positive control: Human liver cancer Predicted cell location: Cytoplasm or Nucleus
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human KCNA7
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
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:	51 kDa
Gene Name:	potassium voltage-gated channel subfamily A member 7
Database Link:	NP_114092 Entrez Gene 16495 Mouse Entrez Gene 3743 Human Q96RP8



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Background:

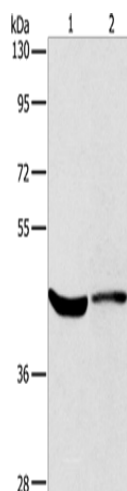
Potassium channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in *Drosophila*, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily.

Synonyms:

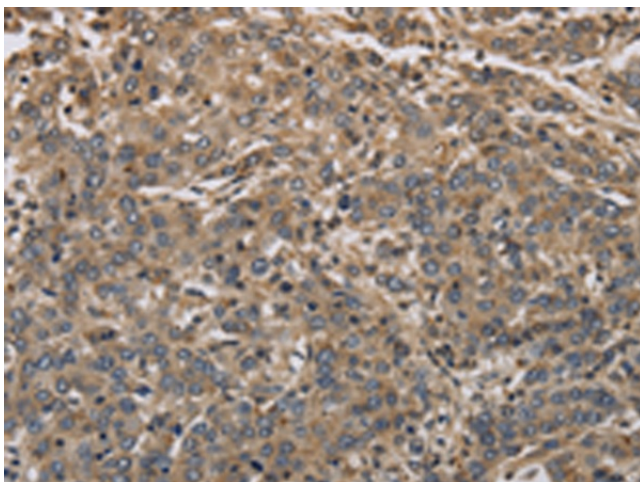
HAK6; KV1.7

Protein Families:

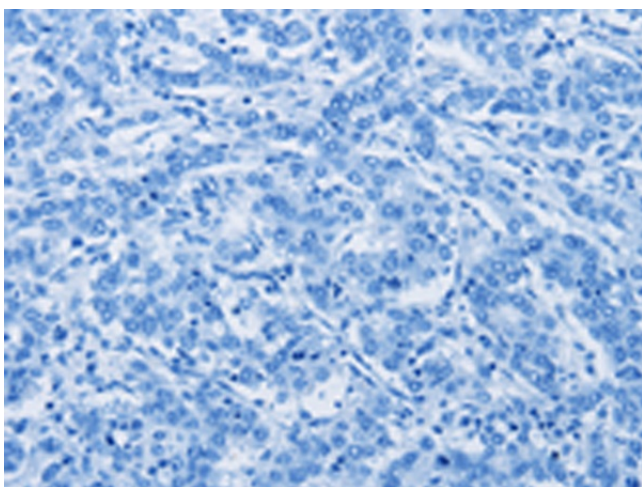
Druggable Genome, Ion Channels: Potassium, Transmembrane

Product images:

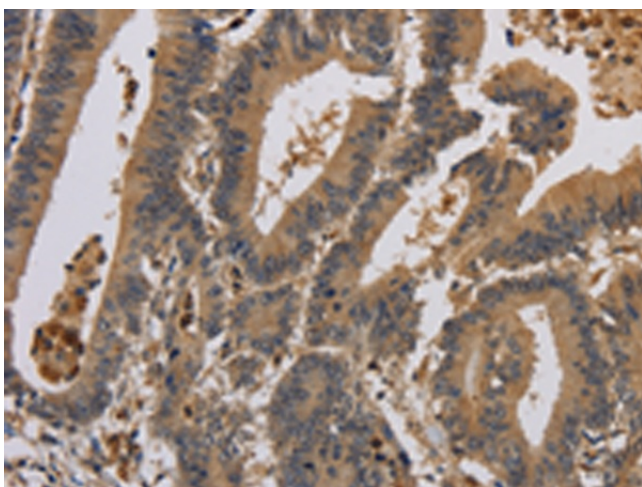
Gel: 8%SDS-PAGE
Lysate: 40 μ g
Lane 1-2: HeLa cells
mouse kidney tissue
Primary antibody: [TA351312] (KCNA7 Antibody)
at dilution 1/550
Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution
Exposure time: 40 seconds



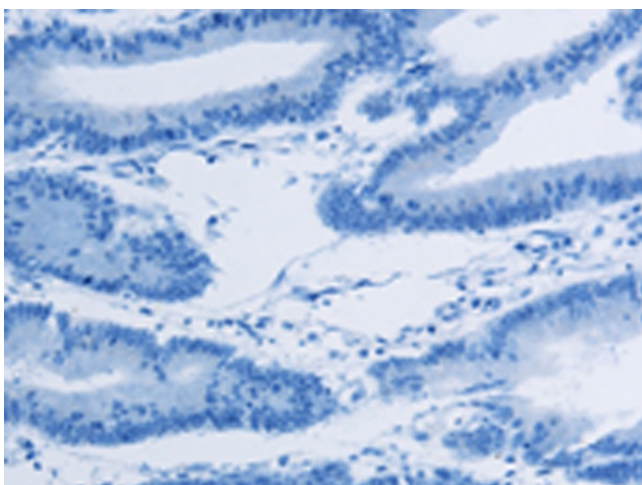
Immunohistochemistry of paraffin-embedded
Human liver cancer tissue using [TA351312]
(KCNA7 Antibody) at dilution 1/40 (Original
magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA351312] (KCNA7 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA351312] (KCNA7 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA351312] (KCNA7 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: ×200)