

## Product datasheet for **TA351316S**

### KCNG3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Human breast infiltrative duct tissue IHC: 10-50 Positive control: Human liver cancer Predicted cell location: Cell membrane
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human KCNG3
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 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:	50 kDa
Gene Name:	potassium voltage-gated channel modifier subfamily G member 3
Database Link:	<a href="#">NP_758847</a> <a href="#">Entrez Gene 171011</a> <a href="#">RatEntrez Gene 225030</a> <a href="#">MouseEntrez Gene 170850</a> <a href="#">Human Q8TAE7</a>

**Background:** Voltage-gated potassium (Kv) 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. This gene encodes a member of the potassium channel, voltage-gated, subfamily G. This member is a gamma subunit functioning as a modulatory molecule.

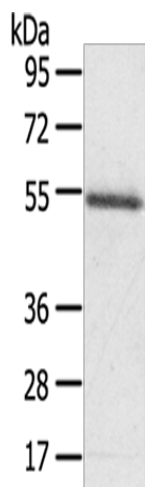


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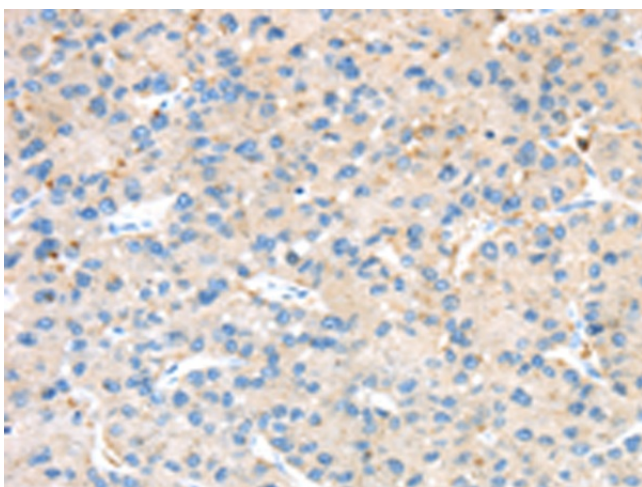
Synonyms: KV6.3; KV10.1

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

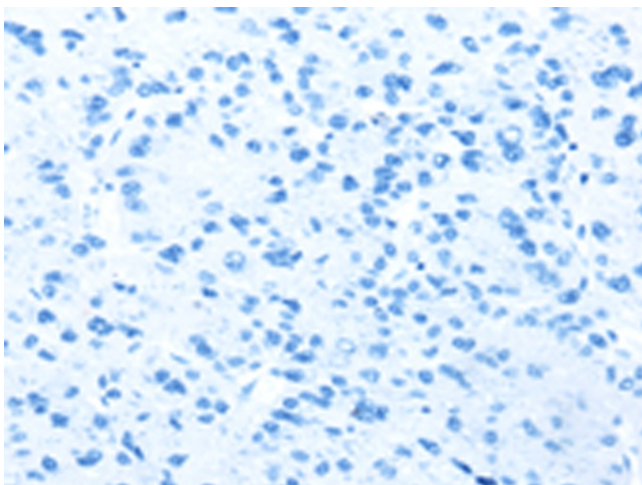
### Product images:



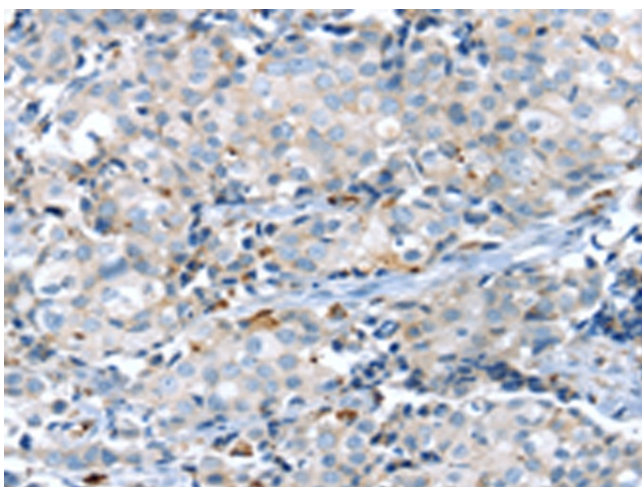
Gel: 8%SDS-PAGE  
Lysate: 40  $\mu$ g  
Lane: Human breast infiltrative duct tissue  
Primary antibody: [TA351316] (KCNG3 Antibody) at dilution 1/200  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 30 seconds



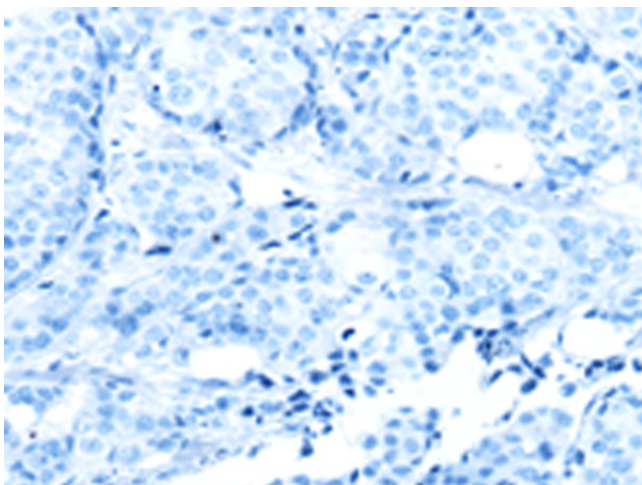
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA351316] (KCNG3 Antibody) at dilution 1/25 (Original magnification:  $\times$ 200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA351316] (KCNG3 Antibody) at dilution 1/25, treated with synthetic peptide. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA351316] (KCNG3 Antibody) at dilution 1/25 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA351316] (KCNG3 Antibody) at dilution 1/25, treated with synthetic peptide. (Original magnification: x200)