

## Product datasheet for **TA349713S**

### KCNMA1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human gastric cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human KCNMA1
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.
Gene Name:	potassium calcium-activated channel subfamily M alpha 1
Database Link:	<a href="#">NP_002238</a> <a href="#">Entrez Gene 3778 Human</a> <a href="#">Q12791</a>

**Background:** MaxiK channels are large conductance, voltage and calcium-sensitive potassium channels which are fundamental to the control of smooth muscle tone and neuronal excitability. MaxiK channels can be formed by 2 subunits: the pore-forming alpha subunit, which is the product of this gene, and the modulatory beta subunit. Intracellular calcium regulates the physical association between the alpha and beta subunits. Alternatively spliced transcript variants encoding different isoforms have been identified.

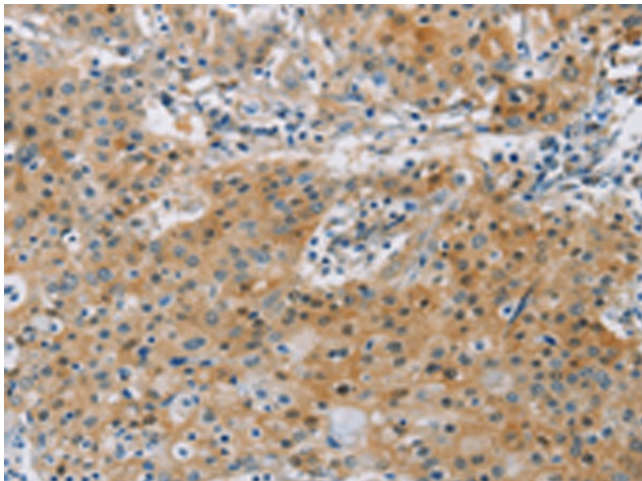
**Synonyms:** bA205K10.1; BKTM; hSlo; KCa1.1; MaxiK; mSLO1; SAKCA; SLO; SLO-ALPHA; SLO1

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

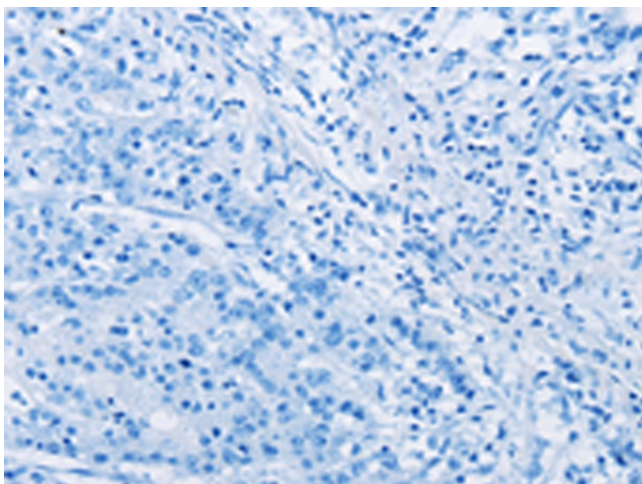
**Protein Pathways:** Vascular smooth muscle contraction



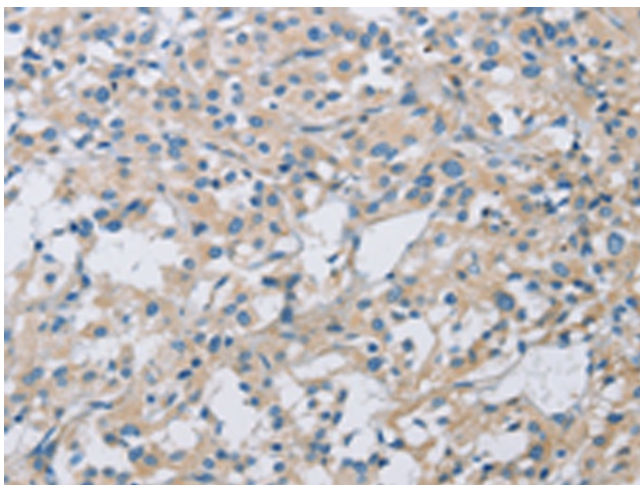
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**Product images:**

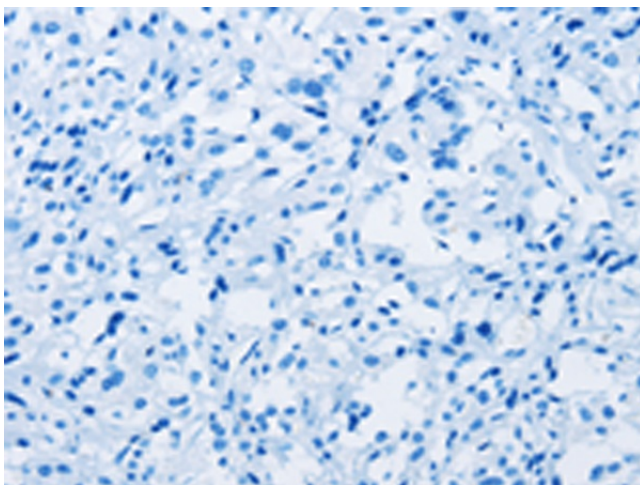
Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA349713] (KCNMA1 Antibody) at dilution 1/40 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA349713] (KCNMA1 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA349713] (KCNMA1 Antibody) at dilution 1/40 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA349713] (KCNMA1 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification:  $\times 200$ )