

## Product datasheet for **TA323205**

### HCN2 Rabbit Polyclonal Antibody

#### Product data:

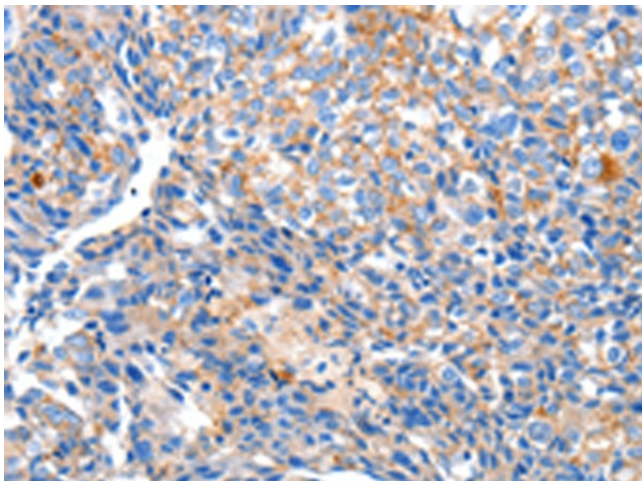
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-200 Positive control: Human breast cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 874-886 amino acids of Human hyperpolarization activated cyclic nucleotide-gated potassium channel 2
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% 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.
Gene Name:	hyperpolarization activated cyclic nucleotide gated potassium channel 2
Database Link:	<a href="#">NP_001185</a> <a href="#">Entrez Gene 15166 MouseEntrez Gene 114244 RatEntrez Gene 610 Human Q9UL51</a>
Background:	Hyperpolarization-activated cation channels of the HCN gene family; such as HCN2; contribute to spontaneous rhythmic activity in both heart and brain. Hyperpolarization-activated ion channel exhibiting weak selectivity for potassium over sodium ions. Contributes to the native pacemaker currents in heart (If) and in neurons (Ih). Produces a large instantaneous current. Activated by cAMP. Modulated by intracellular chloride ions and pH; acidic pH shifts the activation to more negative voltages.
Synonyms:	BCNG-2; BCNG2; HAC-1



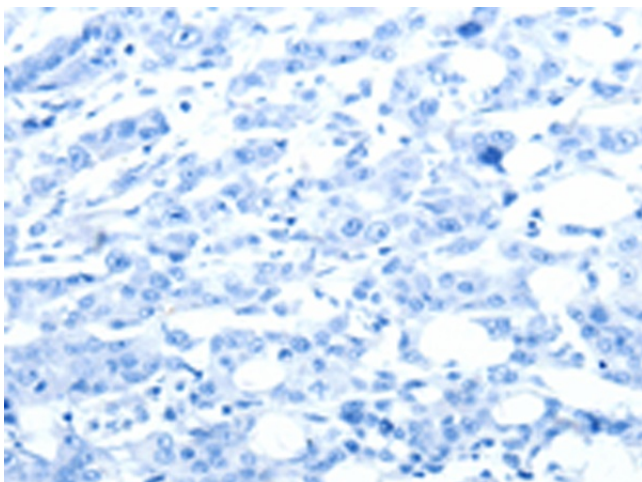
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Protein Families: Druggable Genome, Ion Channels: Cyclic nucleotide gated, Transmembrane

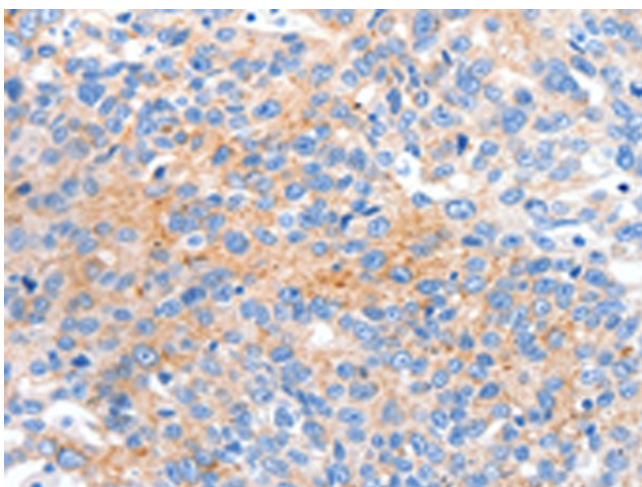
### Product images:



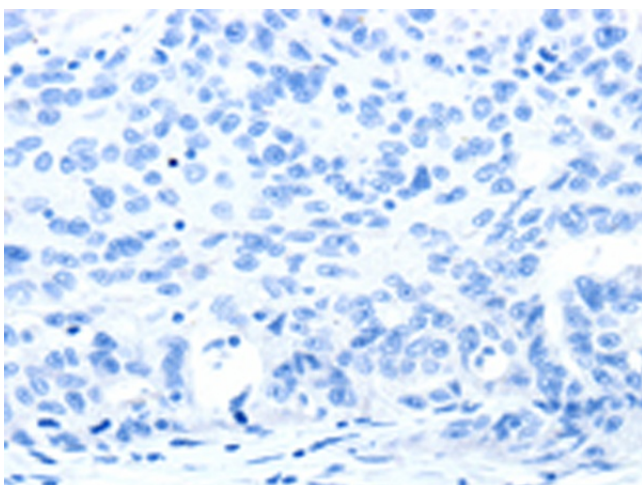
Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA323205 (HCN2 Antibody) at dilution 1/80 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA323205 (HCN2 Antibody) at dilution 1/80, treated with synthetic peptide. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA323205 (HCN2 Antibody) at dilution 1/80 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA323205 (HCN2 Antibody) at dilution 1/80, treated with synthetic peptide. (Original magnification:  $\times 200$ )