

## Product datasheet for **TA323062**

### **GNA11 Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IHC, WB
<b>Recommended Dilution:</b>	WB: 500-2000 WB positive control: Mouse eyes tissue IHC: 50-200 Positive control: Human breast cancer Predicted cell location: cytoplasm, Cell membrane
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Fusion protein corresponding to N terminal 200 amino acids of human guanine nucleotide binding protein (G protein), alpha 11 (Gq class)
<b>Formulation:</b>	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Antigen affinity purification
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	42 kDa
<b>Gene Name:</b>	G protein subunit alpha 11
<b>Database Link:</b>	<a href="#">NP_002058</a> <a href="#">Entrez Gene 14672 Mouse</a> <a href="#">Entrez Gene 81662 Rat</a> <a href="#">Entrez Gene 2767 Human</a> <a href="#">P29992</a>
<b>Background:</b>	Guanine nucleotide-binding protein subunit alpha-11 is a protein that in humans is encoded by the GNA11 gene. Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. Acts as an activator of phospholipase C.



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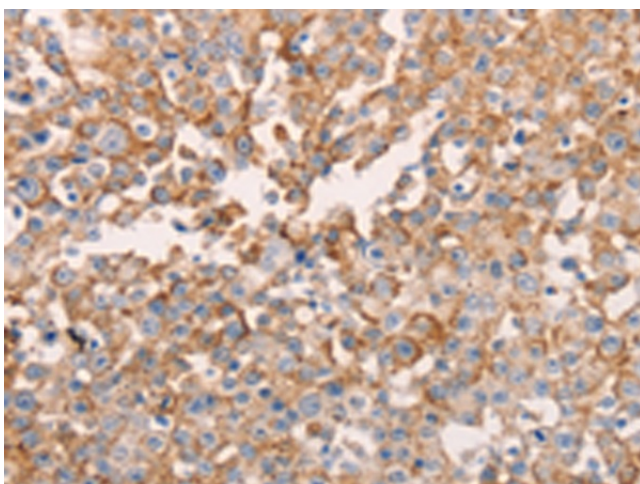
**Synonyms:** FBH; FBH2; FHH2; GNA-11; HHC2; HYPOC2

**Protein Pathways:** Calcium signaling pathway, Gap junction, GnRH signaling pathway, Long-term depression, Vascular smooth muscle contraction

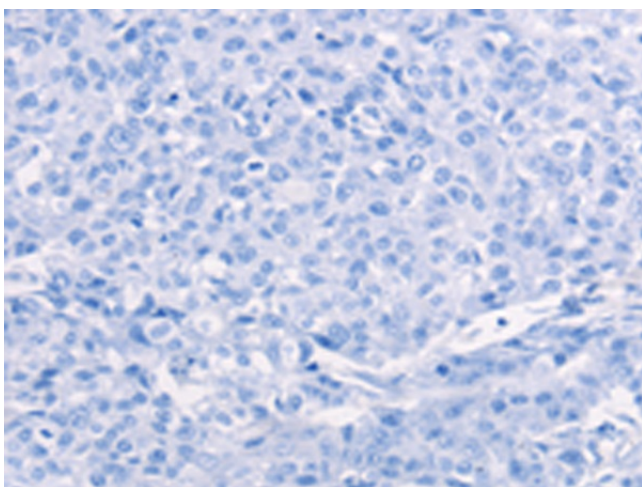
### Product images:



Gel: 10%SDS-PAGE  
Lysate: 40  $\mu$ g  
Lane: Mouse eyes tissue  
Primary antibody: TA323062 (GNA11 Antibody) at dilution 1/550  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 10 seconds



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA323062 (GNA11 Antibody) at dilution 1/40 (Original magnification:  $\times$ 200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA323062 (GNA11 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: ×200)