

## Product datasheet for **TA350883**

### ARHGEF11 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse brain tissue IHC: 25-100 Positive control: Human gastric cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human ARHGEF11
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% 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.
Predicted Protein Size:	168 kDa
Gene Name:	Rho guanine nucleotide exchange factor 11
Database Link:	<a href="#">NP_937879</a> <a href="#">Entrez Gene 78966 Rat</a> <a href="#">Entrez Gene 213498 Mouse</a> <a href="#">Entrez Gene 9826 Human</a> <a href="#">O15085</a>



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**Background:** Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein may form a complex with G proteins and stimulate Rho-dependent signals. A similar protein in rat interacts with glutamate transporter EAAT4 and modulates its glutamate transport activity. Expression of the rat protein induces the reorganization of the actin cytoskeleton and its overexpression induces the formation of membrane ruffling and filopodia. Two alternative transcripts encoding different isoforms have been described.

**Synonyms:** GTRAP48; PDZ-RHOGEF

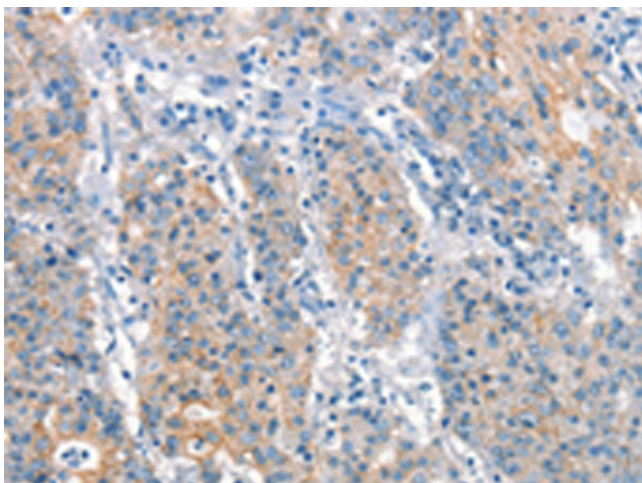
**Protein Families:** Druggable Genome

**Protein Pathways:** Vascular smooth muscle contraction

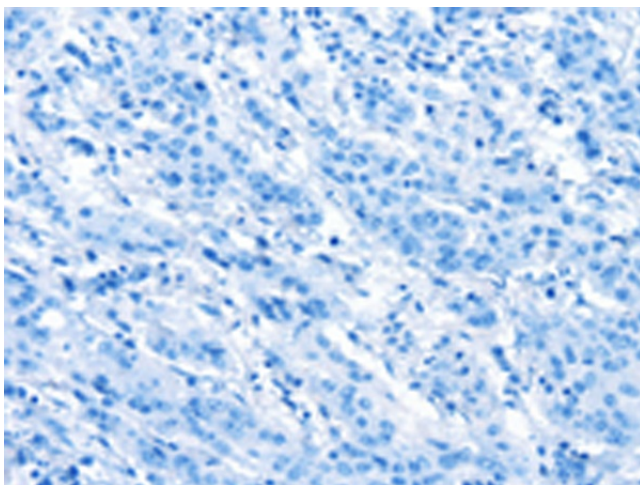
### Product images:



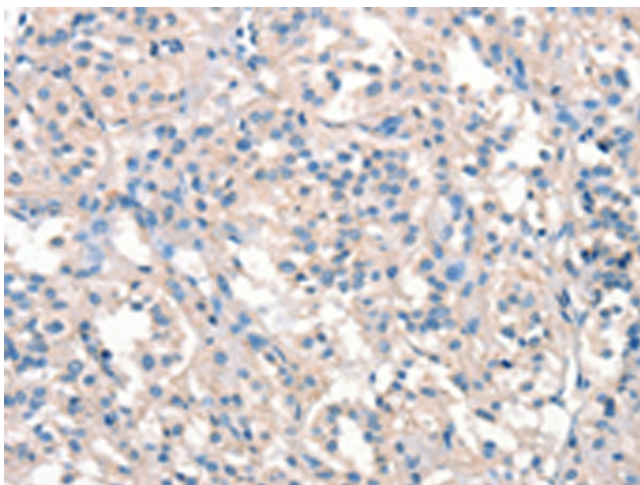
Gel: 6%SDS-PAGE  
Lysate: 40 µg  
Lane: Mouse brain tissue  
Primary antibody: TA350883 (ARHGEF11 Antibody) at dilution 1/1000  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 1 minute



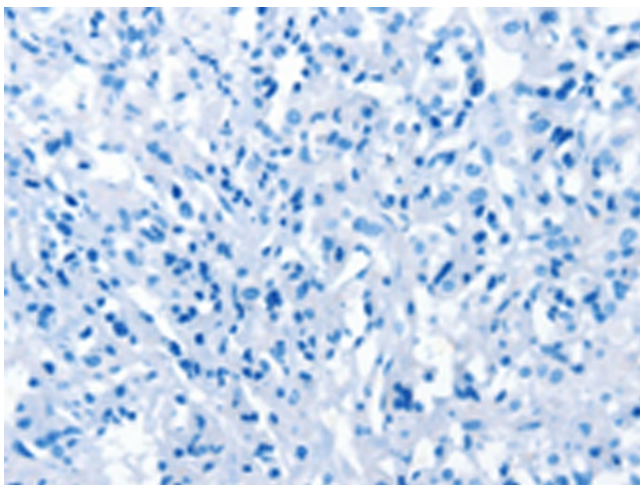
Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA350883 (ARHGEF11 Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA350883 (ARHGEF11 Antibody) at dilution 1/25, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA350883 (ARHGEF11 Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA350883 (ARHGEF11 Antibody) at dilution 1/25, treated with synthetic peptide. (Original magnification: ×200)