

## Anti-ARHGEF7 antibody

<b>Cat. No.</b>	ml221692
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-ARHGEF7 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Fusion protein of human ARHGEF7
<b>Reactivity</b>	Human, Mouse, Rat
<b>Content</b>	0.2 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	ARHGEF7
<b>Full name</b>	Rho guanine nucleotide exchange factor (GEF) 7

**Synonyms** P50; P85; PAK3; PIXB; COOL1; P50BP; COOL-1; P85SPR; BETA-PIX; P85COOL1; Nbla10314

**Swissprot** Q14155

### **Target Background**

Rho GTPases play a fundamental role in numerous cellular processes triggered by extracellular stimuli that work through G protein coupled receptors. The encoded protein belongs to a family of cytoplasmic proteins that activate the Ras-like family of Rho proteins by exchanging bound GDP for GTP. It forms a complex with the small GTP binding protein Rac1 and recruits Rac1 to membrane ruffles and to focal adhesions. This protein can induce membrane ruffling. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene.

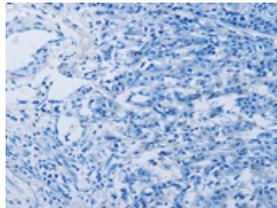
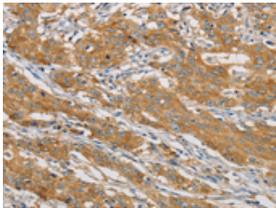
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human gastric cancer

Recommended dilution: 50-200

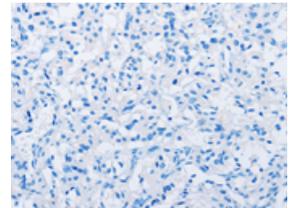
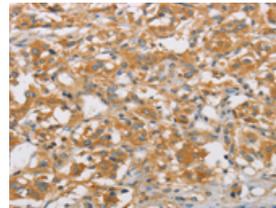


The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using ml221692 (ARHGEF7 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 50-200



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml221692 (ARHGEF7 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 90 kDa

Positive control: Human brain malignant glioma tissue, A172 and 293T cells

Recommended dilution: 500-2000

订购热线: 4008-898-798

Gel: 8%SDS-PAGE

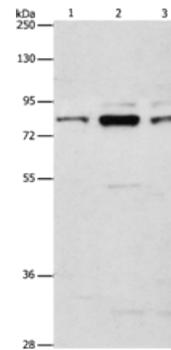
Lysate: 40  $\mu$ g

Lane 1-3: Human brain malignant glioma tissue, A172 cells, 293T cells

Primary antibody: ml221692(ARHGEF7 Antibody) at dilution 1/800

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 3 minutes



## ELISA

Recommended dilution: 2000-5000

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