

## Anti-RGMA Antibody (7L596)

### Product Details

Ig Type:	IgG
Reactivity:	(predicted:Human,Mouse,Rat)
Molecular Weight:	Theoretical: 49 kDa. Actual: 37 kDa.
Clone:	7L596
Purification:	Protein A purified

### Applications

Verified Activity:	Western blot analysis of Hela cell lysate. Using RGMA (TMAB-12222) monoclonal antibody at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
Application:	ICC/IF
Recommended	ICC/IF=1:50-200

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	A synthesized peptide: human Repulsive guidance molecule A
Antigen Species:	Human
Gene ID:	56963
Uniprot ID:	Q96B86

### Research Background

Member of the repulsive guidance molecule (RGM) family that performs several functions in the developing and adult nervous system. Regulates cephalic neural tube closure, inhibits neurite outgrowth and cortical neuron branching, and the formation of mature synapses. Binding to its receptor NEO1/neogenin induces activation of RHOA-ROCK1/Rho-kinase signaling pathway through UNC5B-ARHGEF12/LARG-PTK2/FAK1 cascade, leading to collapse of the neuronal growth cone and neurite outgrowth inhibition.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481