

## Anti-SYN1 antibody

<b>Cat. No.</b>	ml261787
<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-SYN1 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Synthetic peptide of human SYN1
<b>Reactivity</b>	Human
<b>Content</b>	1.4 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>	SYN1
<b>Full name</b>	synapsin I

**Synonyms** SYN1; SYN1a; SYN1b

**Swissprot** P17600

### **Target Background**

This gene is a member of the synapsin gene family. Synapsins encode neuronal phosphoproteins which associate with the cytoplasmic surface of synaptic vesicles. Family members are characterized by common protein domains, and they are implicated in synaptogenesis and the modulation of neurotransmitter release, suggesting a potential role in several neuropsychiatric diseases. This member of the synapsin family plays a role in regulation of axonogenesis and synaptogenesis. The protein encoded serves as a substrate for several different protein kinases and phosphorylation may function in the regulation of this protein in the nerve terminal. Mutations in this gene may be associated with X-linked disorders with primary neuronal degeneration such as Rett syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified.

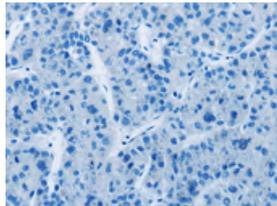
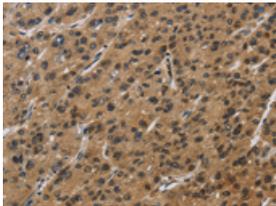
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human liver cancer

Recommended dilution: 50-200

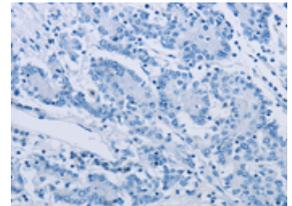
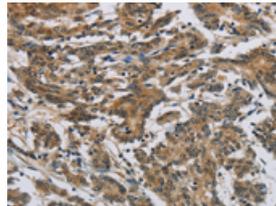


The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml261787(SYN1 Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm

Positive control: Human colon cancer

Recommended dilution: 50-200



The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using ml261787(SYN1 Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 74 kDa

Positive control: A375 and 231 cells, 293T cells and human hepatocellular carcinoma tissue

Recommended dilution: 500-2000

订购热线: 4008-898-798

Gel: 6%SDS-PAGE

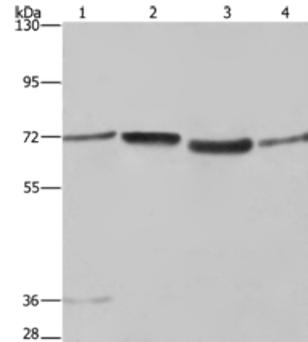
Lysate: 40  $\mu$ g

Lane 1-4: A375 cells, 231 cells, 293T cells, human hepatocellular carcinoma tissue

Primary antibody: ml261787(SYN1 Antibody) at dilution 1/550

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

Exposure time: 40 seconds



## ELISA

Recommended dilution: 2000-5000

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