

Anti-SYN2 antibody

Cat. No.	ml261788
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-SYN2 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human SYN2
Reactivity	Human, Mouse, Rat
Content	1.1 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	SYN2
Full name	synapsin II

Synonyms SYNII; SYNIIa; SYNIIb

Swissprot Q92777

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 encodes a neuron-specific phosphoprotein that selectively binds to small synaptic vesicles in the presynaptic nerve terminal. The TIMP4 gene is located within an intron of this gene and is transcribed in the opposite direction. Mutations in this gene may be associated with abnormal presynaptic function and schizophrenia. Alternative splicing of this gene results in two transcripts.

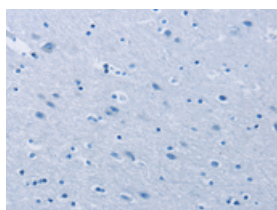
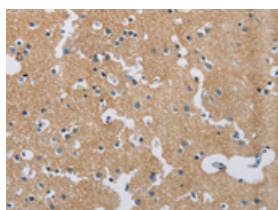
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human brain

Recommended dilution: 25-100

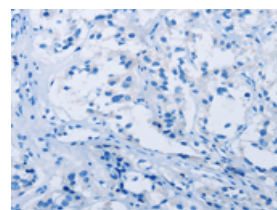
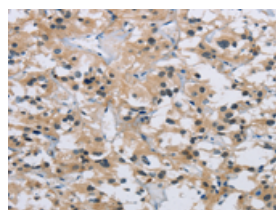


The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ml261788(SYN2 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: $\times 200$)

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml261788(SYN2 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: $\times 200$)

Western blotting

Predicted band size: 63 kDa

Positive control: Mouse brain tissue

Recommended dilution: 200-1000

Gel: 6%SDS-PAGE

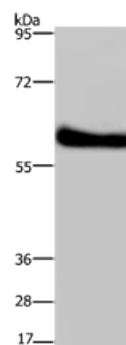
Lysate: 40 μ g

Lane: Mouse brain tissue

Primary antibody: ml261788(SYN2 Antibody) at dilution 1/250

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

Exposure time: 3 minutes



ELISA

Recommended dilution: 1000-2000

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