

Product Information

Size:

50ul

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:1000-1:2000, WB:1:200-1:1000,
IHC:1:25-1:100

Protein Background:

Transmembrane serine/threonine kinase forming with the TGF-beta type II serine/threonine kinase receptor, TGFBR2, the non-promiscuous receptor for the TGF-beta cytokines TGFB1, TGFB2 and TGFB3. Transduces the TGFB1, TGFB2 and TGFB3 signal from the cell surface to the cytoplasm and is thus regulating a plethora of physiological and pathological processes including cell cycle arrest in epithelial and hematopoietic cells, control of mesenchymal cell proliferation and differentiation, wound healing, extracellular matrix production, immunosuppression and carcinogenesis. The formation of the receptor complex composed of 2 TGFBR1 and 2 TGFBR2 molecules symmetrically bound to the cytokine dimer results in the phosphorylation and the activation of TGFBR1 by the constitutively active TGFBR2. Activated TGFBR1 phosphorylates SMAD2 which dissociates from the receptor and interacts with SMAD4. The SMAD2-SMAD4 complex is subsequently translocated to the nucleus where it modulates the transcription of the TGF-beta-regulated genes.

Gene ID:

SYN2

Uniprot

Q92777

Synonyms:

synapsin II

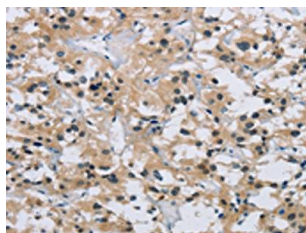
Immunogen:

Synthetic peptide of human SYN2.

Storage:

-20° C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

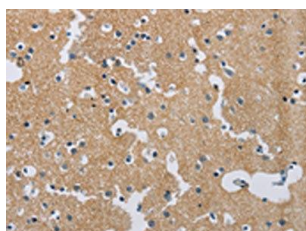
Product Images



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using PACO19836(SYN2 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: x—200).



Gel: 6%SDS-PAGE, Lysate: 40 μ g, Lane: Mouse brain tissue, Primary antibody: PACO19836(SYN2 Antibody) at dilution 1/250, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 3 minutes.



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using PACO19836(SYN2 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: x—200).