Mouse anti FYN Monoclonal Antibody

Alternative Name(s): Tyrosine-protein kinase Fyn, Proto-oncogene Syn, Proto-oncogene c-Fyn, Src-like kinase, SLK, p59-Fyn, FYNP59, FYN

Order Information

- **Description:** p59/FYN
- **Catalogue:** 605-840
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** FYN-1S
- **Application:** IHC(P)
- **Reactivity:** Hu, ms, Rt

ANTIGEN PREPARATION

A partial recombinant protein of human p59/FYN

BACKGROUND

Proto-oncogene tyrosine-protein kinase Fyn is a 59-kDa member of the protein-tyrosine kinase oncogene family. It encodes a membrane-associated tyrosine kinase that has been implicated in the control of cell growth. The protein associates with the p85 subunit of phosphatidylinositol 3-kinase and interacts with the fyn-binding protein. Fyn is a protein, present in the signaling pathway of integrins, which activates ras. Fyn is member of the Src family of kinases that is historically associated with T-cell and neuronal signaling in development and normal cellular physiology. Fyn is particularly upregulated in prostate cancer in contrast to the alternative members of the Src family. This suggests that it may mediate a number of important processes attributed to Src kinases in prostate cancer or other malignancies.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human p59/FYN protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 59.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

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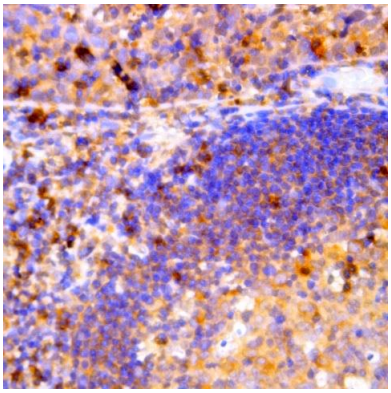
DATA ATTACHMENTS



Immunohistochemistry: Human Tonsil (FFPE) stained with Mouse anti- P59/FYN (Cat# 605-840) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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