

Datasheet for ABIN94311
anti-FYN antibody (AA 7-176)



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Overview

Quantity:	0.1 mg
Target:	FYN
Binding Specificity:	AA 7-176
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FYN antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Immunogen:	Bacterially expressed recombinant fragment of human Fyn (aa 7-176).
Clone:	FYN-01
Isotype:	IgG2b
Specificity:	The mouse monoclonal antibody FYN-01 recognizes Fyn, a 59 kDa non-receptor Src-family protein tyrosine kinase (intracellular antigen).
Cross-Reactivity (Details):	Mouse, Human, Other not tested
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	FYN
Alternative Name:	Fyn (FYN Products)
Background:	<p>FYN proto-oncogene, Src family tyrosine kinase,Fyn is a ubiquitously expressed Src-family protein tyrosine kinase with important roles e.g. in immune and nervous system. It regulates N-methyl-D-aspartate (NMDA) receptor functions, thus affecting various brain functions, and even many of its other substrates are important for neural migration, synaptic plasticity, oligodendrocyte differentiation, and axon growth and guidance. In immune system Fyn namely regulates the commitment of T cells to activation, is important in T cell anergy induction, promotes mast cell chemotaxis and reorganization of cytoskeleton and participates in mast cell activation. Fyn is also involved in embryonic stem cell growth and differentiation, associates with tubulin and may play roles in mitotic spindle formation.,p59Fyn, SLK, SYN</p>
Gene ID:	2534
UniProt:	P06241
Pathways:	JAK-STAT Signaling , TCR Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Feeding Behaviour , CXCR4-mediated Signaling Events , Signaling Events mediated by VEGFR1 and VEGFR2 , Activated T Cell Proliferation , Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	<p>Immunohistochemistry (paraffin sections): Recommended dilution: 5 µg/mL, positive tissue: brain.</p> <p>Western blotting: Recommended dilution: 2 µg/mL, positive control: JURKAT human T cell leukemia cell line.</p> <p>Immunoprecipitation: positive control: J77 T cell line. Preparation of cell lysate: 30 min on ice (orbital incubator) in lysing buffer, lysing buffer with N-dodecyl beta-D-maltoside (20 mM Tris/Cl, 100 mM NaCl pH 8,2, 1 % laurylmaltosid (w/v), 50 mM NaF). The antibody FYN-01 apparently gives very specific signal (by 59 kDa), and nicely immunoprecipitates Fyn from cell lysates.</p>
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
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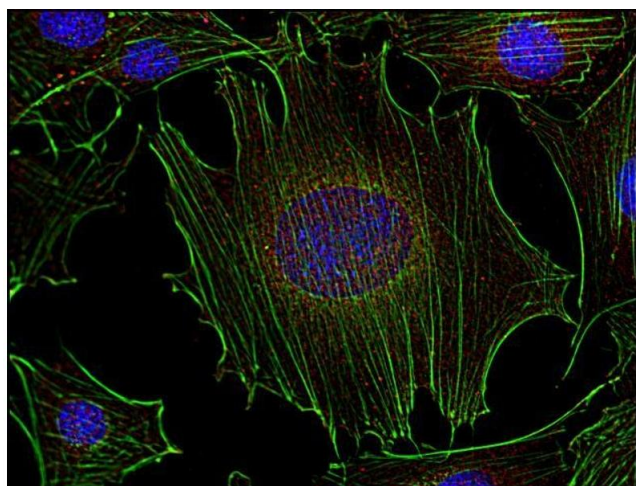
Handling

Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

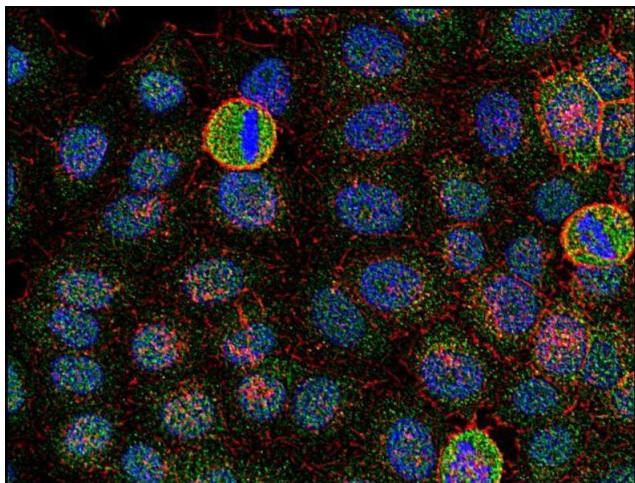
- Product cited in:
- Queval, Nicolas, Beau: "Role of Src kinases in mobilization of glycosylphosphatidylinositol-anchored decay-accelerating factor by Dr fimbria-positive adhering bacteria." in: **Infection and immunity**, Vol. 79, Issue 7, pp. 2519-34, (2011) ([PubMed](#)).
- Meraner, Horejsí, Wolpl, Fischer, Stingl, Maurer: "Dendritic cells sensitize TCRs through self-MHC-mediated Src family kinase activation." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 178, Issue 4, pp. 2262-71, (2007) ([PubMed](#)).

Images



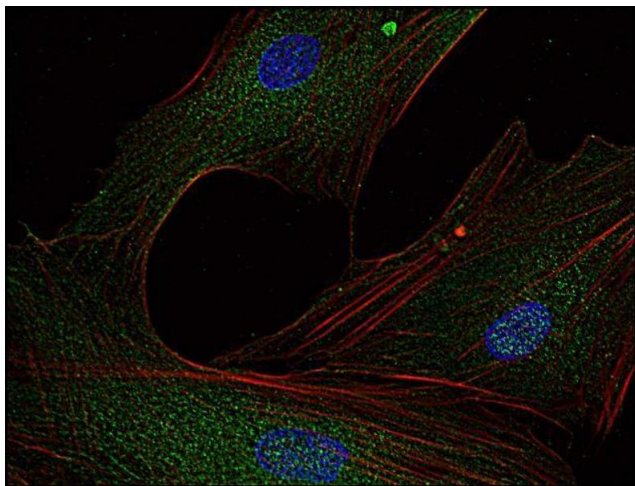
Immunocytochemistry

Image 1. Immunocytochemistry analysis of Fyn in murine transformed fibroblasts using anti-Fyn (FYN-01, red). Actin cytoskeleton was decorated by phalloidin (green) and cell nuclei stained with DAPI (blue).



Immunofluorescence

Image 2. Immunofluorescence staining of Fyn in human HeLa cell line using anti-Fyn



Immunofluorescence

Image 3. Immunofluorescence staining of Fyn in human primary fibroblasts using anti-Fyn (; green). Actin cytoskeleton was decorated by phalloidin (red) and cell nuclei stained with DAPI (blue).

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN94311.