

ARG63524 anti-Fyn antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Fyn
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Pig
Tested Application	WB
Specificity	This antibody is expected to recognise all three reported isoforms (as represented by NP_002028.1; NP_694592.1; NP_694593.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Fyn
Species	Human
Immunogen	VQCKDKEATKLTE
Conjugation	Un-conjugated
Alternate Names	p59-FYN; Tyrosine-protein kinase Fyn; Src-like kinase; Proto-oncogene c-Fyn; p59-Fyn; Proto-oncogene Syn; SYN; SLK; EC 2.7.10.2

Application Instructions

Application table	Application	Dilution
	WB	0.3 - 1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 2534 Human](#)

[Swiss-port # P06241 Human](#)

Background

This gene is a 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. Alternatively spliced transcript variants encoding distinct isoforms exist. [provided by RefSeq, Jul 2008]

Research Area

Cancer antibody; Neuroscience antibody; Signaling Transduction antibody; Src Family Protein Tyrosine Kinases antibody

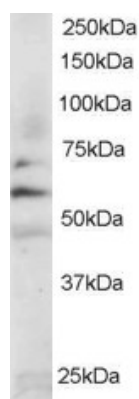
Calculated Mw

61 kDa

PTM

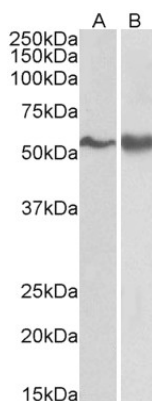
Autophosphorylated at Tyr-420. Phosphorylation on the C-terminal tail at Tyr-531 by CSK maintains the enzyme in an inactive state (By similarity). PTPRC/CD45 dephosphorylates Tyr-531 leading to activation. Ultraviolet B (UVB) strongly increase phosphorylation at Thr-12 and kinase activity, and promotes translocation from the cytoplasm to the nucleus. Dephosphorylation at Tyr-420 by PTPN2 negatively regulates T-cell receptor signaling. Palmitoylation at Cys-3 and Cys-6 regulates subcellular location.

Images



ARG63524 anti-Fyn antibody WB image

Western blot: Jurkat lysate (RIPA buffer, 35 µg total protein per lane) stained with ARG63524 anti-Fyn antibody at 0.2 µg/ml dilution.



ARG63524 anti-Fyn antibody WB image

Western blot: 35 µg of A431 (A) and Jurkat (B) cell lysates (in RIPA buffer) stained with ARG63524 anti-Fyn antibody at 0.3 µg/ml dilution and incubated at RT for 1 hour.