


Product datasheet

Anti-Fyn antibody ab137382

2 Images

Overview

Product name	Anti-Fyn antibody
Description	Rabbit polyclonal to Fyn
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Chicken, Cow, Pig, Xenopus laevis 
Immunogen	Recombinant fragment, corresponding to a region within amino acids 1 and 227 of Human Fyn (Uniprot ID: P06241).
Positive control	A431, H1299, HepG2, MOLT4 and Raji whole cell lysates; A431 cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: PBS, 40% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab137382** in the following tested applications.

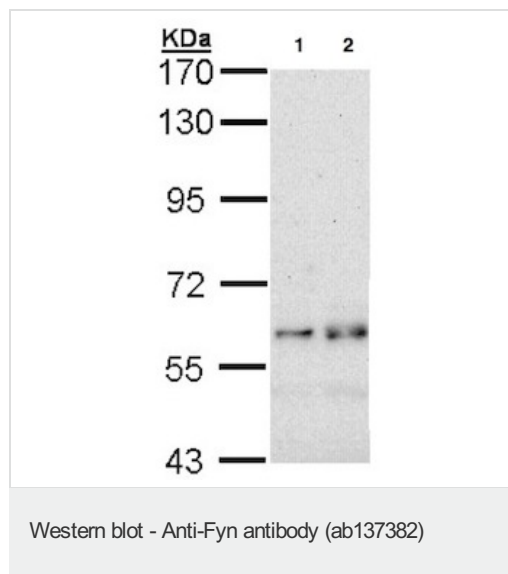
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 60 kDa.
ICC/IF		1/100 - 1/1000.

Target

Function	Tyrosine-protein kinase implicated in the control of cell growth. Plays a role in the regulation of intracellular calcium levels, with isoform 2 showing the greater ability to mobilize cytoplasmic calcium in comparison to isoform 1. Required in brain development and mature brain function with important roles in the regulation of axon growth, axon guidance, and neurite extension. Blocks axon outgrowth and attraction induced by NTN1 by phosphorylating its receptor DDC. Phosphorylates RUNX3.
Tissue specificity	Isoform 1 is highly expressed in the brain. Isoform 2 is expressed in cells of hemopoietic lineages, especially T lymphocytes.
Sequence similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily. Contains 1 protein kinase domain. Contains 1 SH2 domain. Contains 1 SH3 domain.
Cellular localization	Cell membrane. Present and active in lipid rafts. Present in cell body and along the process of mature and developing oligodendrocytes.
Form	This protein is known to be similar in amino acid sequence to HCK (P08631), LCK (P06239), YES1 (P07947), SRC (P12931), and LYN (P07948). Therefore, cross-reactivity with these homologous proteins may be observed. We would be happy to provide immunogen alignment information upon request.

Images



All lanes : Anti-Fyn antibody (ab137382) at 1/1000 dilution

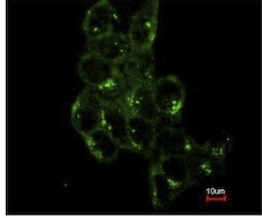
Lane 1 : A431 whole cell lysate

Lane 2 : H1299 whole cell lysate

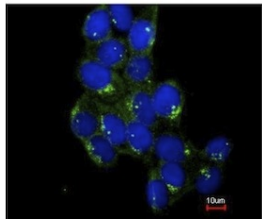
Lysates/proteins at 30 µg per lane.

Predicted band size: 60 kDa

7.5% SDS PAGE



Immunofluorescence analysis of paraformaldehyde-fixed A431 cells labelling Fyn with ab137382 at 1/200 dilution. Lower image is merged with DNA probe.



Immunocytochemistry/ Immunofluorescence - Anti-Fyn antibody (ab137382)

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