Datasheet for ABIN2785837

anti-LYN antibody (N-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	LYN
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Sheep, Pig, Dog, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LYN antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human LYN
Sequence:	DPTSNKQQRP VPESQLLPGQ RFQTKDPEEQ GDIVVALYPY DGIHPDDLSF
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 93%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against LYN. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	LYN

Target Details

Alternative Name:	LYN (LYN Products)
Background:	LYN down regulates expression of stem cell growth factor receptor (KIT).LYN acts as an effector of EpoR (erythropoietin receptor) in controlling KIT expression and may play a central role in erythroid differentiation during the switch between proliferation and maturation.LYN acts as a positive regulator of cell movement while negatively regulating adhesion to stromal cells by inhibiting the ICAM-1-binding activity of beta-2 integrins. LYN acts as the mediator that relays suppressing signals from the chemokine receptor CXCR4 to beta-2 integrin LFA-1 in hematopoietic precursors. Involved in induction of stress-activated protein kinase (SAPK), but not ERK or p38 MAPK, in response to genotoxic agents.LYN induces SAPK by a MKK7- and MEKK1-dependent mechanism. The LYN -> MEKK1 -> MKK7 -> SAPK pathway is functional in the induction of apoptosis by genotoxic agents. Alias Symbols: FLJ26625, JTK8, p53Lyn, p56Lyn Protein Interaction Partner: UBC, IKBKG, TRIM28, EGFR, RGS16, TNF, IL1B, ANGPT2, DKFZP434K028, CNOT10, TGDS, CBX6, FBXO28, ZNF423, RASSF8, FRS2, HBS1L, TUBB4A, SH2D3C, RIMS2, DDX21, KYNU, TNFSF12, PIK3R3, YEATS4, ZNF189, UGP2, HSP90B1, TADA2A, SLC12A4, RDX, PRKCB, SCIMP, LNP1, RNF180 Protein Size: 512
Molecular Weight:	58 kDa
Gene ID:	4067
NCBI Accession:	NM_002350, NP_002341
UniProt:	P07948
Pathways:	Fc-epsilon Receptor Signaling Pathway, Hormone Transport, Response to Growth Hormone Stimulus, Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, CXCR4-mediated Signaling Events, Thromboxane A2 Receptor Signaling, Integrin Complex, BCR Signaling

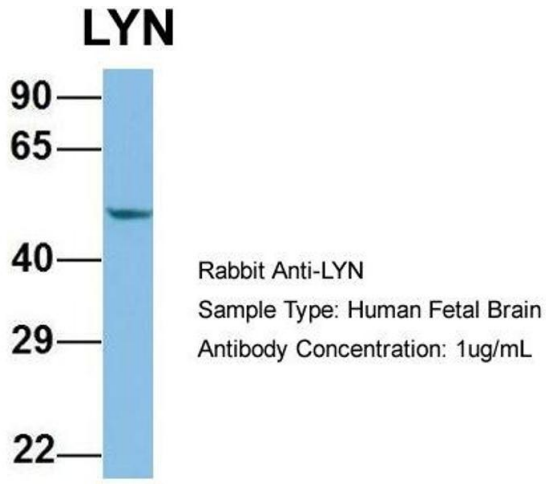
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 512 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



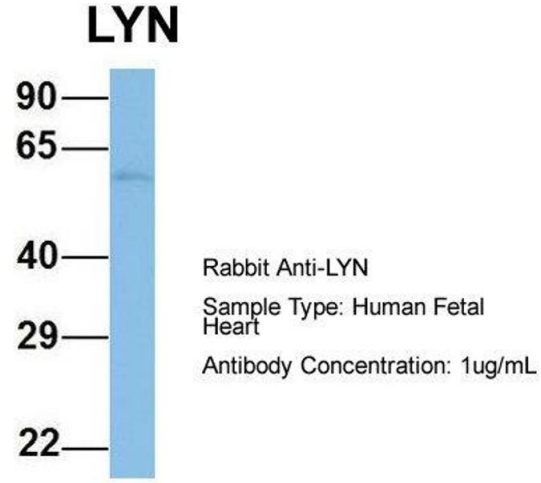
Western Blotting

Image 1. Host: Rabbit

Target Name: LYN

Sample Tissue: Human Fetal Brain

Antibody Dilution: 1.0 µg/mL



Western Blotting

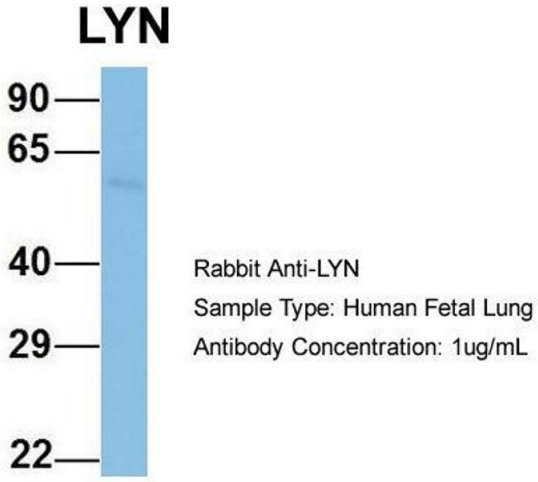
Image 2. Host: Rabbit

Target Name: LYN

Sample Tissue: Human Fetal Heart

Antibody Dilution: 1.0 µg/mL

Images



Western Blotting

Image 3. Host: Rabbit

Target Name: LYN

Sample Tissue: Human Fetal Lung

Antibody Dilution: 1.0 µg/mL