Catalog No. LF-PA0074

POLYCLONAL ANTIBODY

Anti- Lyn

Background : The members of the Src-family kinases are Src, Lyn, Fyn, Yes, Hck, Lck, Fgr, Blk, and Yrk. Each of these have a common structure consisting of an unique domain at the N-terminal, followed by SH3, SH2 and tyrosine kinase domains.
In immume cells, the Src-family kinases play roles as critical regulators of a large number of intracellular signaling pathways, including integrin signaling pathway. Integrins are major cellular receptor that mediate cell to cell and cell to substratum interactions.
The intracellular protein kinase Lyn participates both positively and negatively in B cell, mast cell, platelet and myeloid cell signaling. Lyn is the predominantly expressed Src-family kinase in B cells and its positive role is done through phosphorylation of the Igα and Igβ subunits of B cell receptor. Genetic deletion of Lyn results in autoimmunity, renal disease and premature mortality in mice, and generation of hyperactive Lyn results in the same phenotype, revealing the importance of the balance of Lyn signaling.

Immunogen : Synthetic peptide

Host : Rabbit

Type : Polyclonal Antibody

Isotype : IgG

Size : 100 μℓ

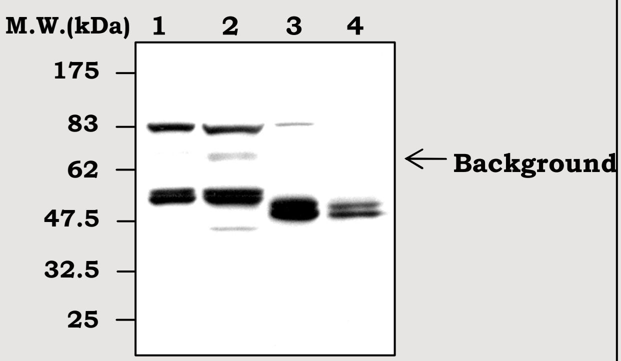
Compositon : Hepes with 0.15M NaCl,
0.01% BSA, 0.03% sodium azide and 50% glycerol

Positive control : K562 cell lysate

Storage : Store for 1 year at -20℃ from date of shipment. ℃

Species cross reactivity

Human	Mouse	Rat
+	+	+



Immunoblot Analysis
Lane 1 : K562 cell lysate (10 ug)
Lane 2 : HL60 cell lysate (30 ug)
Lane 3 : Mouse liver lysate (30 ug)
Lane 4 : Rat liver lysate (30 ug)

Applications :
Westetn Blotting(1:2,000)

Background Reference :

1) Xu Y. et al., 2005, Immunity. 22:9-18
2) Lowell C.A., 2004. Mol Immunol. 41:631-643
3) Pereira S. and Lowell C., 2003, J Immunol. 171:1319-1327

FOR RESEARCH PURPOSE ONLY
NOT FOR DIAGNOSTIC OR THERAPEUTIC USE

Gentaur Molecular Products
Voortstraat 49
1910 Kampenhout, Belgium
http://www.gentaur-worldwide.com