FIG. 2

Mast Cell FceR1 Signaling Pathway

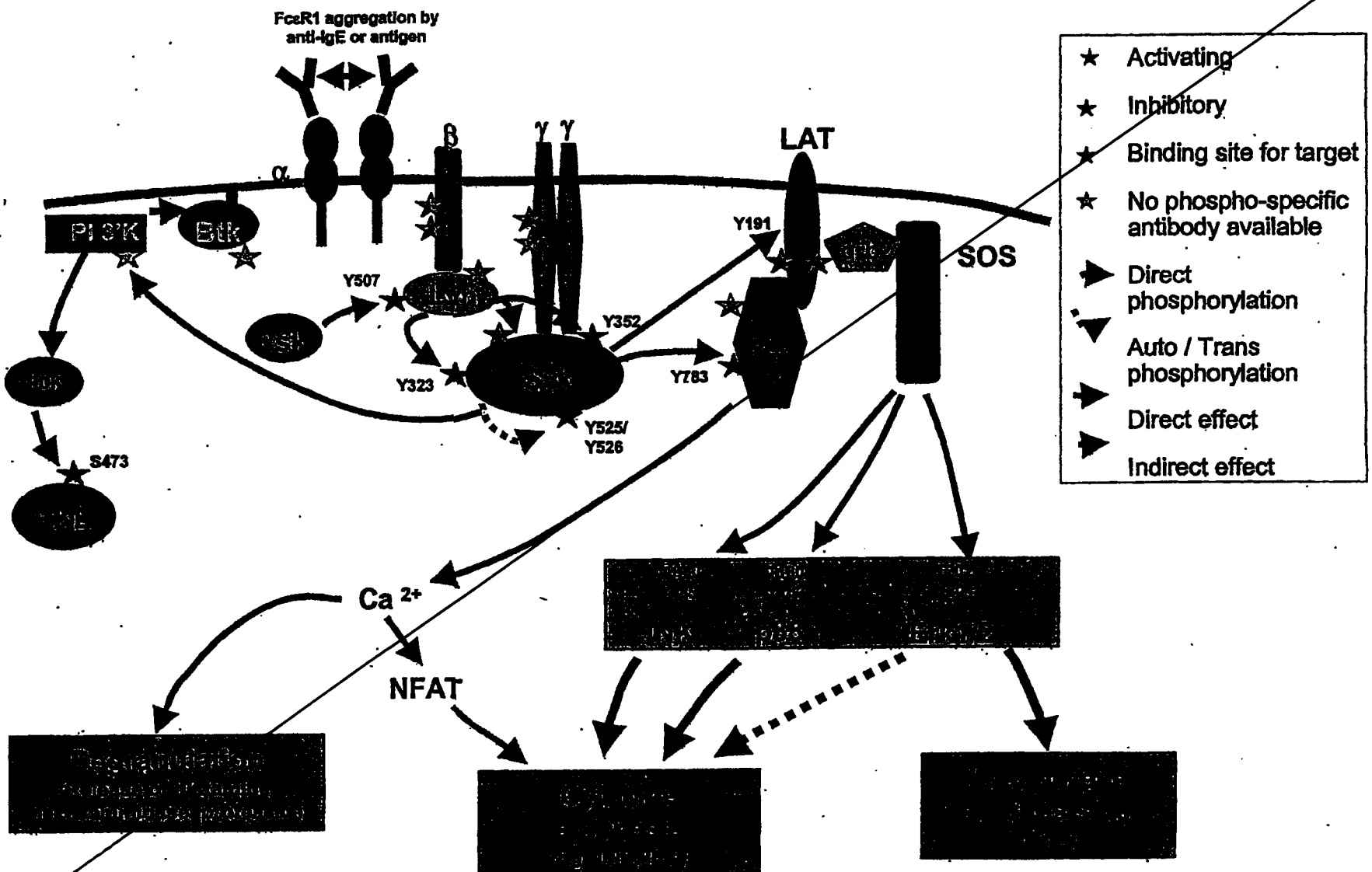


FIG. 7

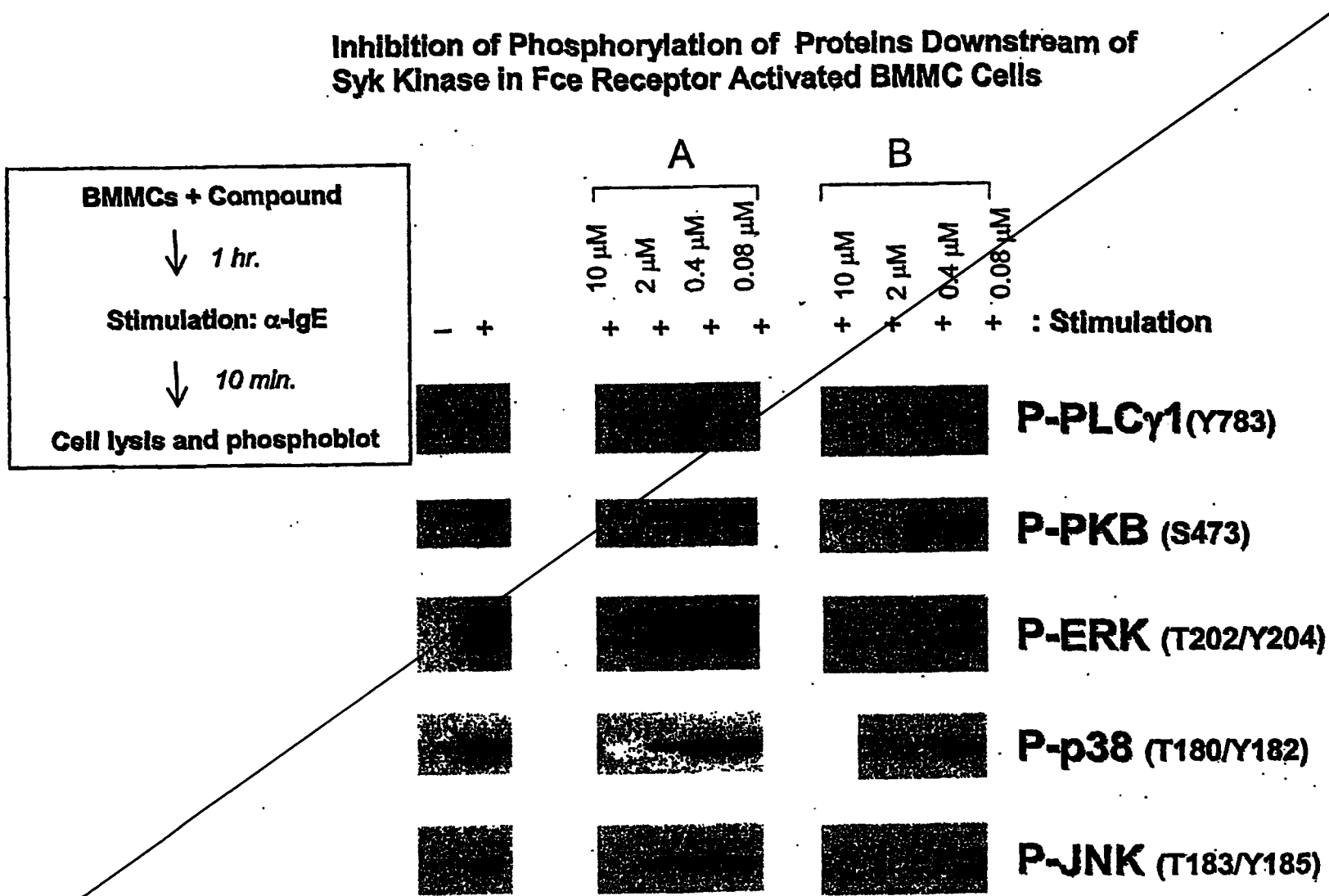

Inhibition of Phosphorylation of Proteins Downstream of Syk Kinase in Fce Receptor Activated BMMC Cells
BMMCs + Compound
1 hr.
Stimulation: α-IgE
10 min.
Cell lysis and phosphoblot
A
B
10 μM
2 μM
0.4 μM
0.08 μM
: Stimulation
P-PLCγ1 (Y783)
P-PKB (S473)
P-ERK (T202/Y204)
P-p38 (T180/Y182)
P-JNK (T183/Y185)

FIG. 10

CHMC: Cultured human mast cells
Compound
(1 hour preincubation)
Stimulation: α-IgE
-
+
PP2
+ 10 μM
+ 2 μM
+ 0.4 μM
A
+ 2 μM
+ 0.4 μM
+ 0.08 μM
B
+ 10 μM
+ 2 μM
+ 0.4 μM
Lyn Targets
P-Cbl (Y774)
P-Syk (Y352)
Syk Targets
P-LAT (Y191)
P-PLCγ1 (Y783)
Indirect Targets
P-PKB (S473)
P-ERK (T202/Y204)

FIG. 2

Mast Cell FceR1 Signaling Pathway

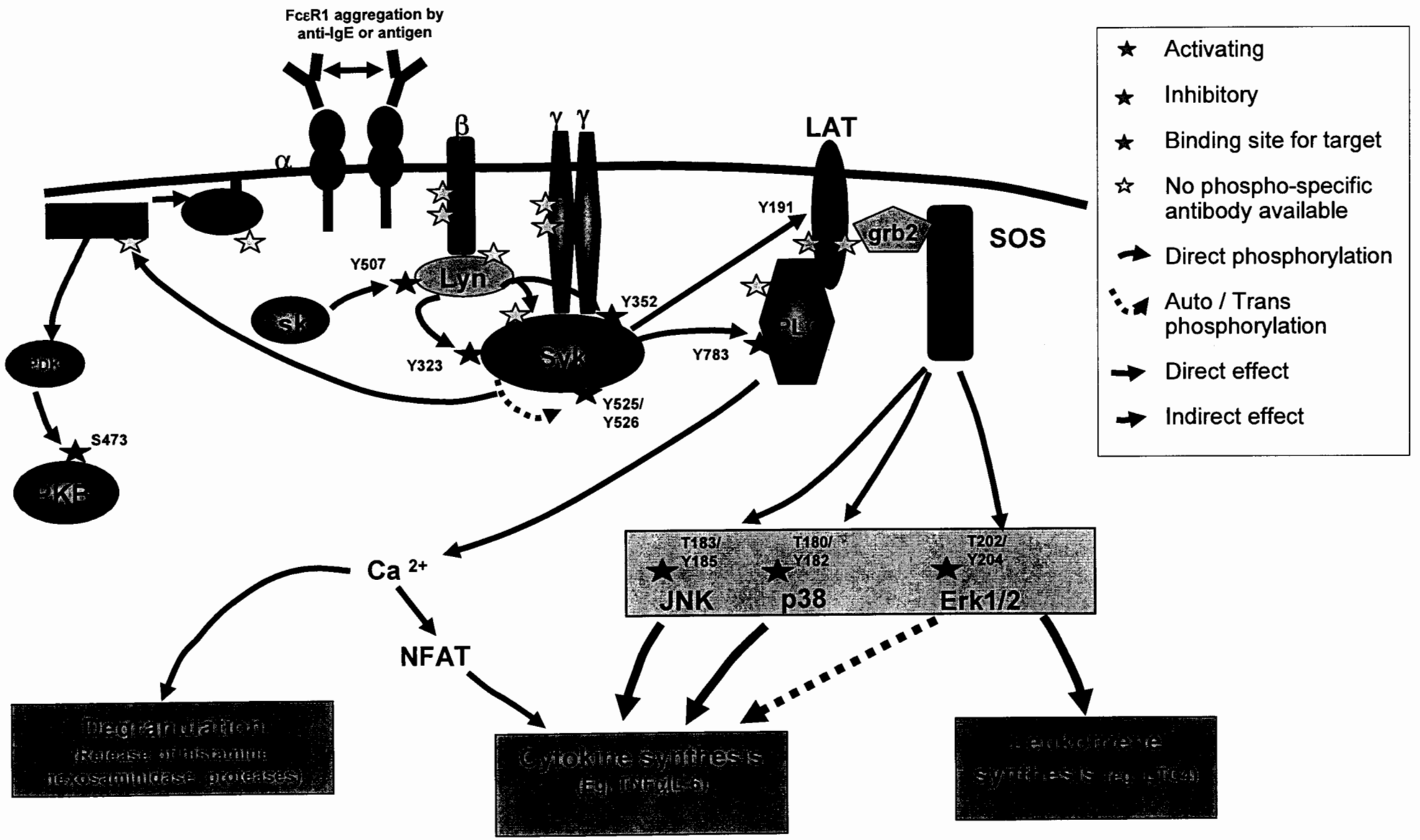


FIG. 7

Inhibition of Phosphorylation of Proteins Downstream of Syk Kinase in Fce Receptor Activated BMMC Cells

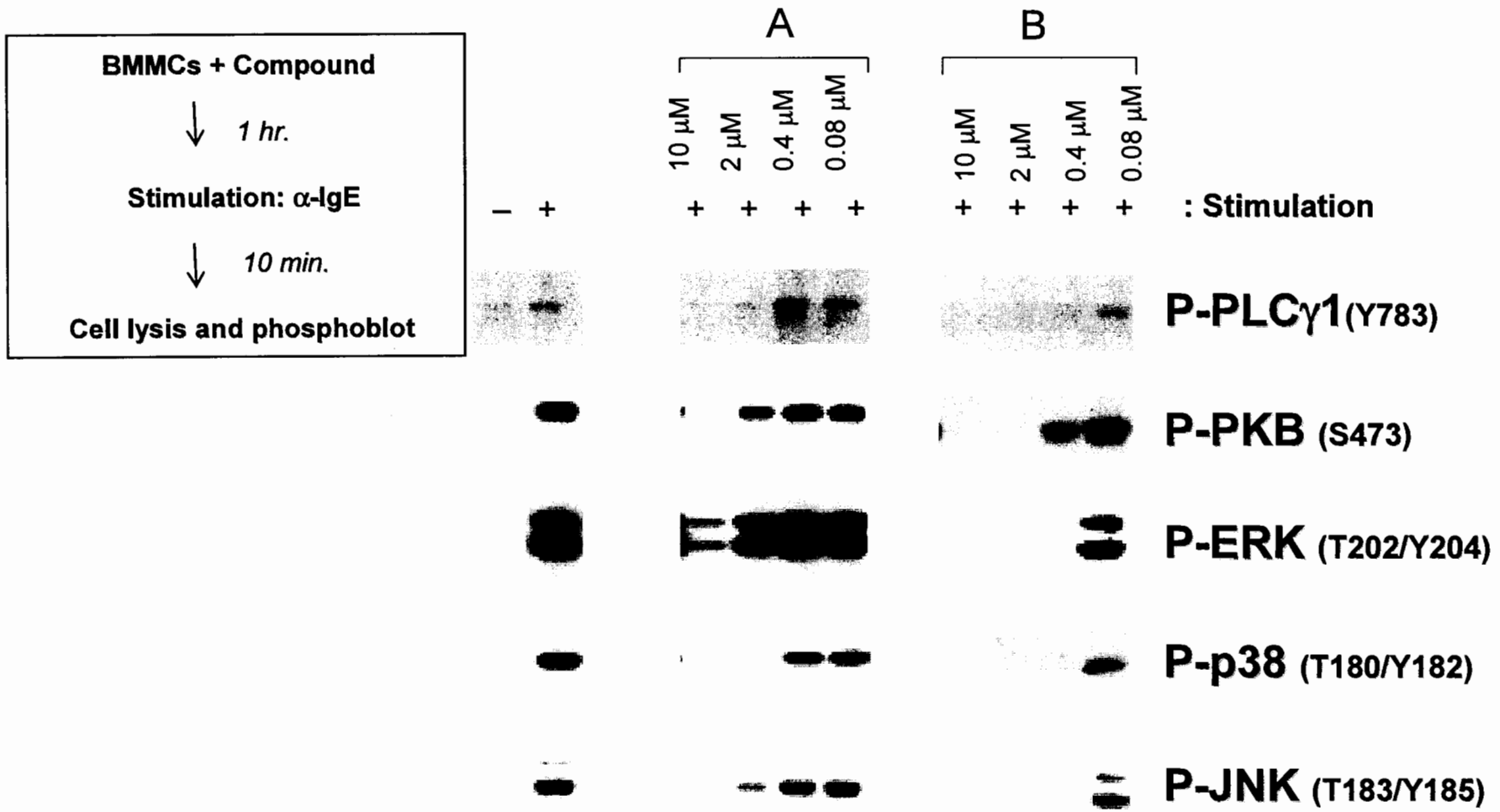
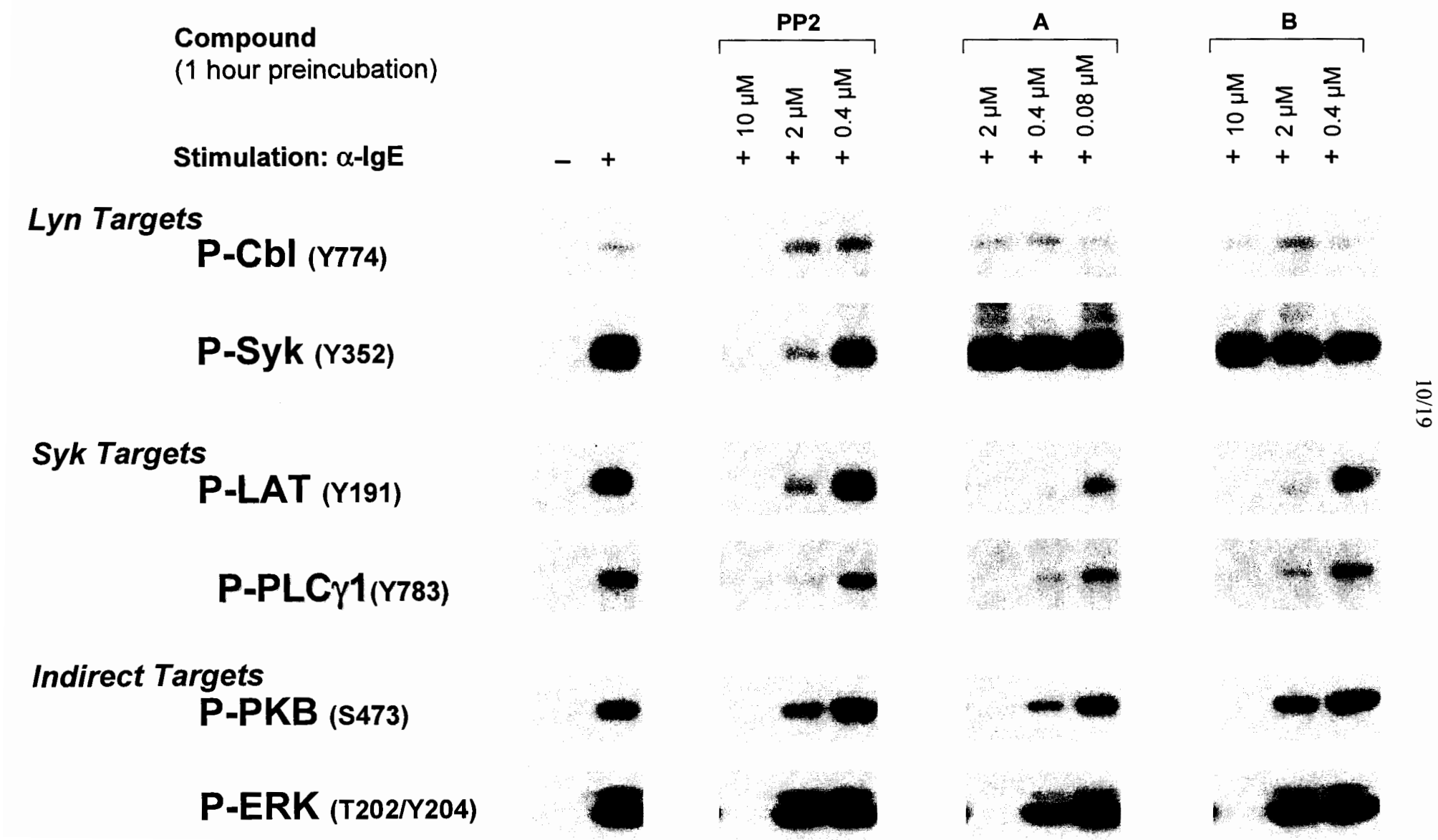


FIG. 10


CHMC: Cultured human mast cells
Compound
(1 hour preincubation)
PP2
A
B
+ 10 µM
+ 2 µM
+ 0.4 µM
+ 2 µM
+ 0.4 µM
+ 0.08 µM
+ 10 µM
+ 2 µM
+ 0.4 µM
Stimulation: α-IgE
– +
Lyn Targets
P-Cbl (Y774)
P-Syk (Y352)
Syk Targets
P-LAT (Y191)
P-PLCγ1 (Y783)
Indirect Targets
P-PKB (S473)
P-ERK (T202/Y204)