

Title: Imatinib protects against dexamethasone-induced pancreatic β -cell apoptosis via increased GSTP1 expression and reduced oxidative stress.

Short running title: Imatinib protects against β -cell apoptosis

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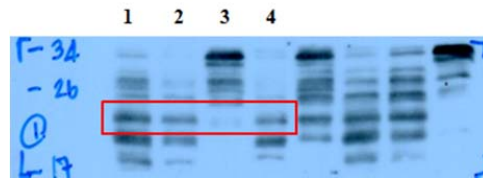
Author address:

Namoiy Semprasert, M.Sc.: Department of Physiology, 2 Prannok Road, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok 10700, Thailand, numoiy.sem@mahidol.ac.th

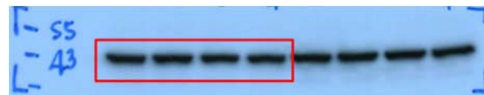
Petcharee Manethorn, M.Sc.: Department of Physiology, 2 Prannok Road, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok 10700, Thailand,

Original blot figure (Figure 1B) (INS-1)

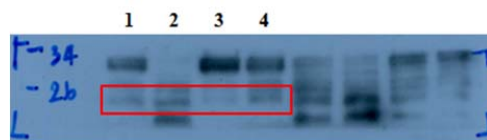
GSTP1 (23 kDa):



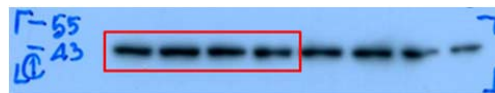
β -actin (43 kDa):



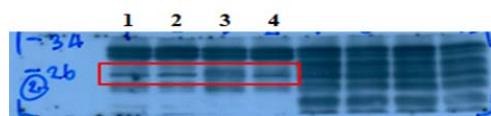
GSTP1 (23 kDa):



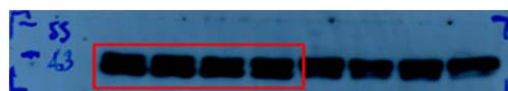
β -actin (43 kDa):



GSTP1 (23 kDa):



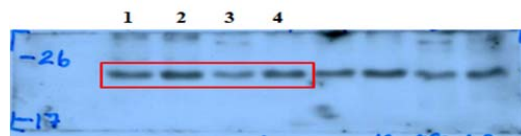
β -actin (43 kDa)



Supplement figure 1B

Original Western blot figure (Figure 1C) (Islets)

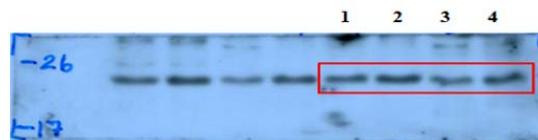
GSTP1 (23 kDa):



β -actin (43 kDa):



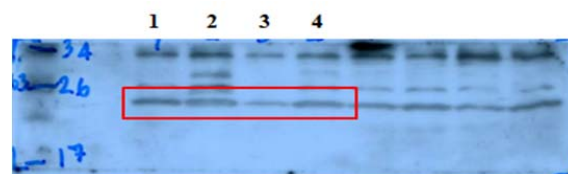
GSTP1 (23 kDa):



β -actin (43 kDa):



GSTP1 (23 kDa):



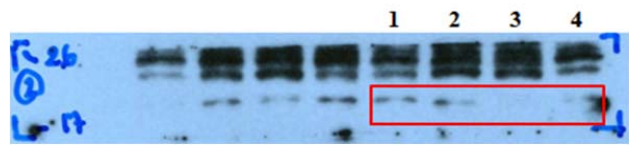
β -actin (43 kDa):



Supplement figure 1C

Original Western blot figure (Figure 1D) (INS-1)

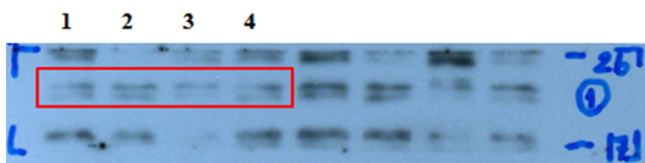
GSTP1 (23 kDa):



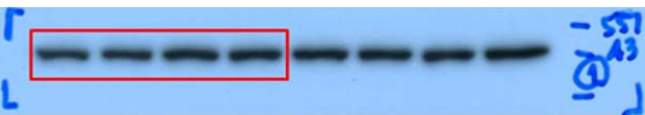
β -actin (43 kDa):



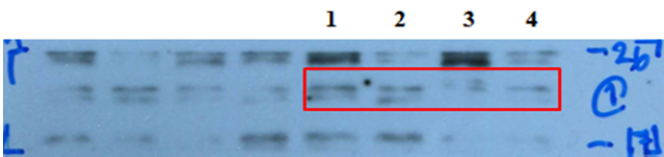
GSTP1 (23 kDa):



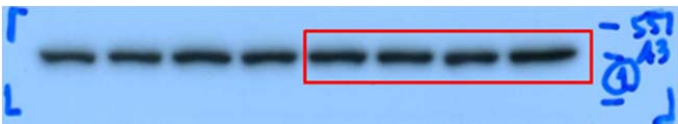
β -actin (43 kDa):



GSTP1 (23 kDa):



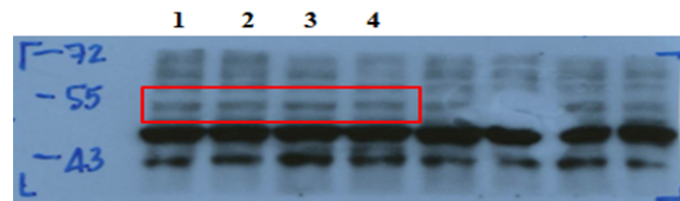
β -actin (43 kDa):



Supplement figure 1D

Original Western blot figure (Figure 3A) (INS-1)

p-JNK (54 kDa):



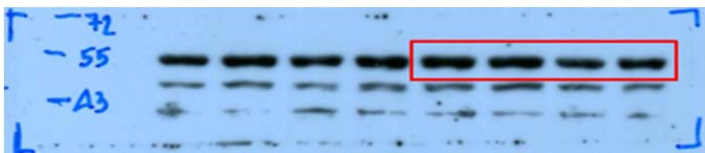
JNK (54 kDa):



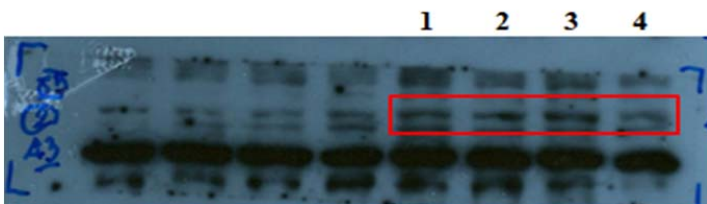
p-JNK (54 kDa):



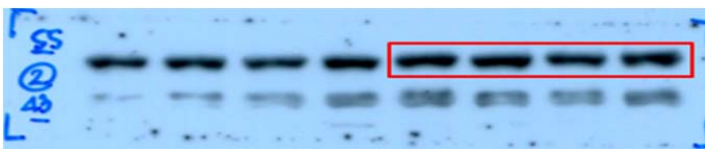
JNK (54 kDa):



p-JNK (54 kDa):



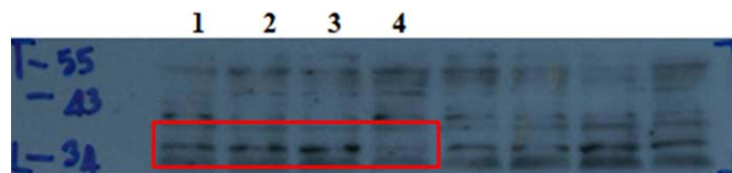
JNK (54 kDa):



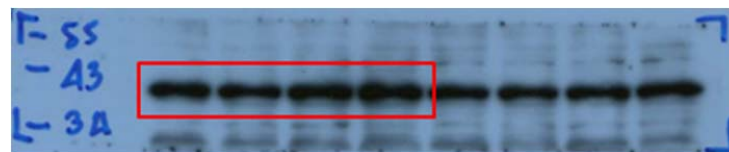
Supplement figure 3A

Original Western blot figure (Figure 3B) (INS-1)

p-p38 (38 kDa):



p38 (38 kDa):



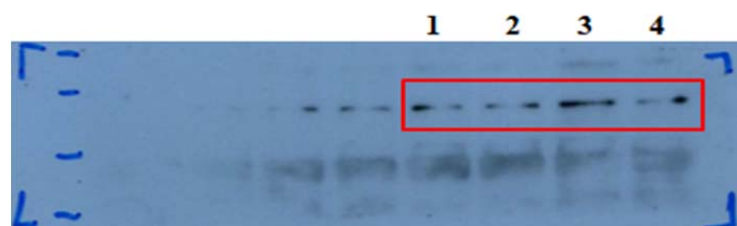
p-p38 (38 kDa):



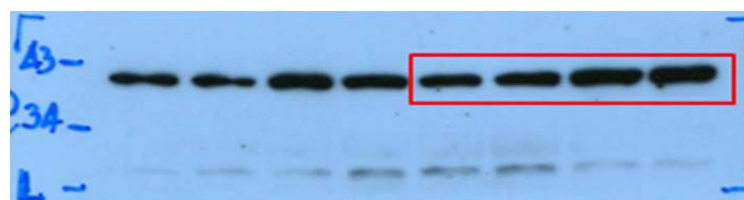
p38 (38 kDa):



p-p38 (38 kDa):



p38 (38 kDa):

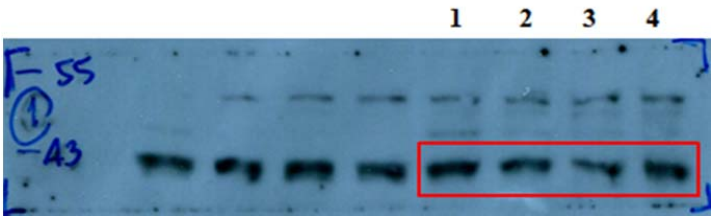


Supplement figure 3B

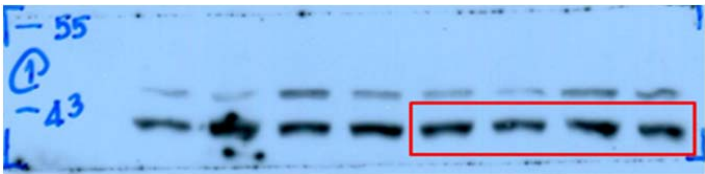
Original Western blot figure (Figure 3C) (INS-1)

p-ERK1/2 (44/42

kDa):

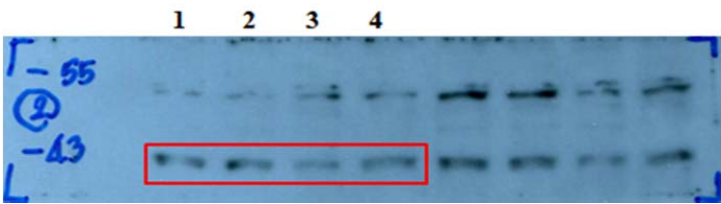


ERK1/2 (44/42 kDa):



p-ERK1/2 (44/42

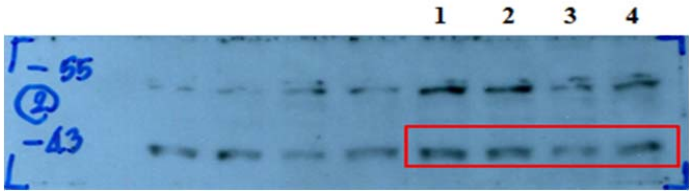
kDa):



ERK1/2 (44/42 kDa):



p-ERK1/2 (44/42 kDa):



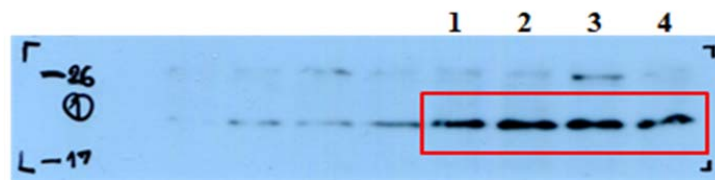
ERK1/2 (44/42 kDa):



Supplement figure 3C

Original Western blot figure (Figure 4A) (INS-1)

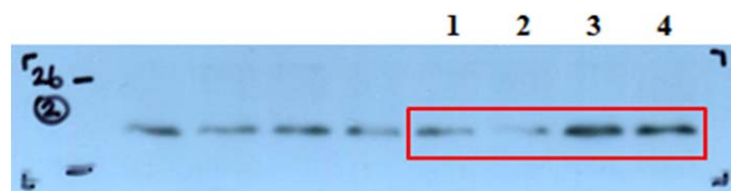
BAX (23 kDa):



β -actin (43 kDa):



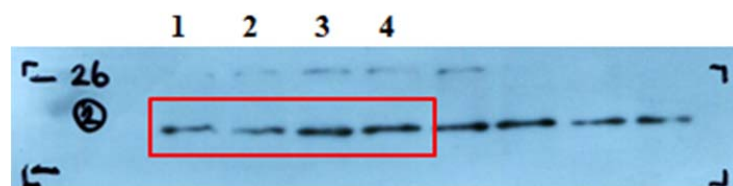
BAX (23 kDa):



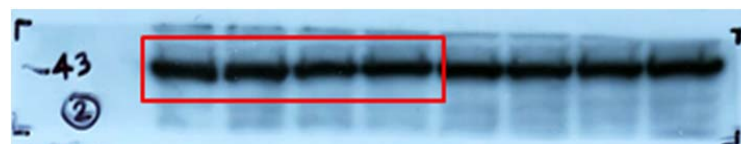
β -actin (43 kDa):



BAX (23 kDa):



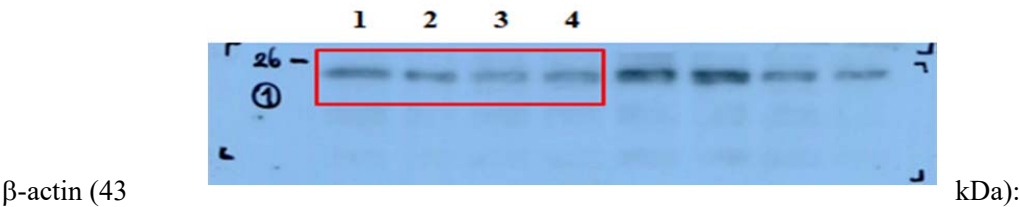
β -actin (43 kDa):



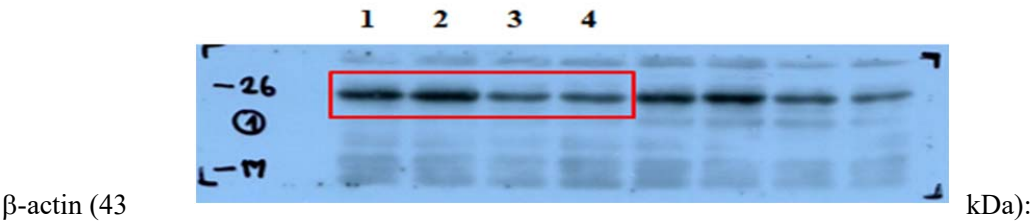
Supplement figure 4A

Original Western blot figure (Figure 4B) (INS-1)

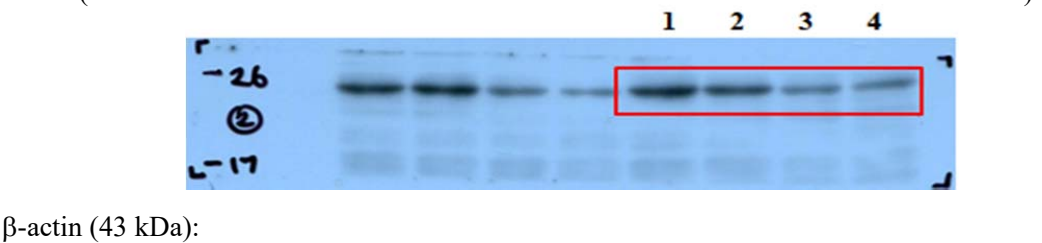
BCL2 (26 kDa):



BCL2 (44/42 kDa):



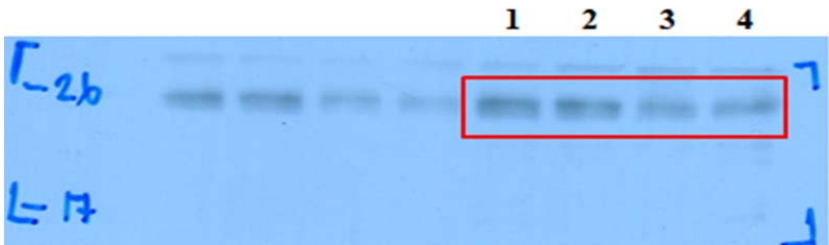
BCL2 (44/42



Supplement figure 4A

Original Western blot figure (Figure 4B) (INS-1)

BCL2 (26 kDa):



β -actin (43 kDa):



BCL2 (44/42

1 2 3 4

kDa):



β -actin (43 kDa):

