

Original Western Blot Images

A pomegranate-derived peptide Pug-4 alleviates nontypeable Haemophilus influenzae-induced inflammation by suppressing NF-κB and NLRP3 inflammasome pathways

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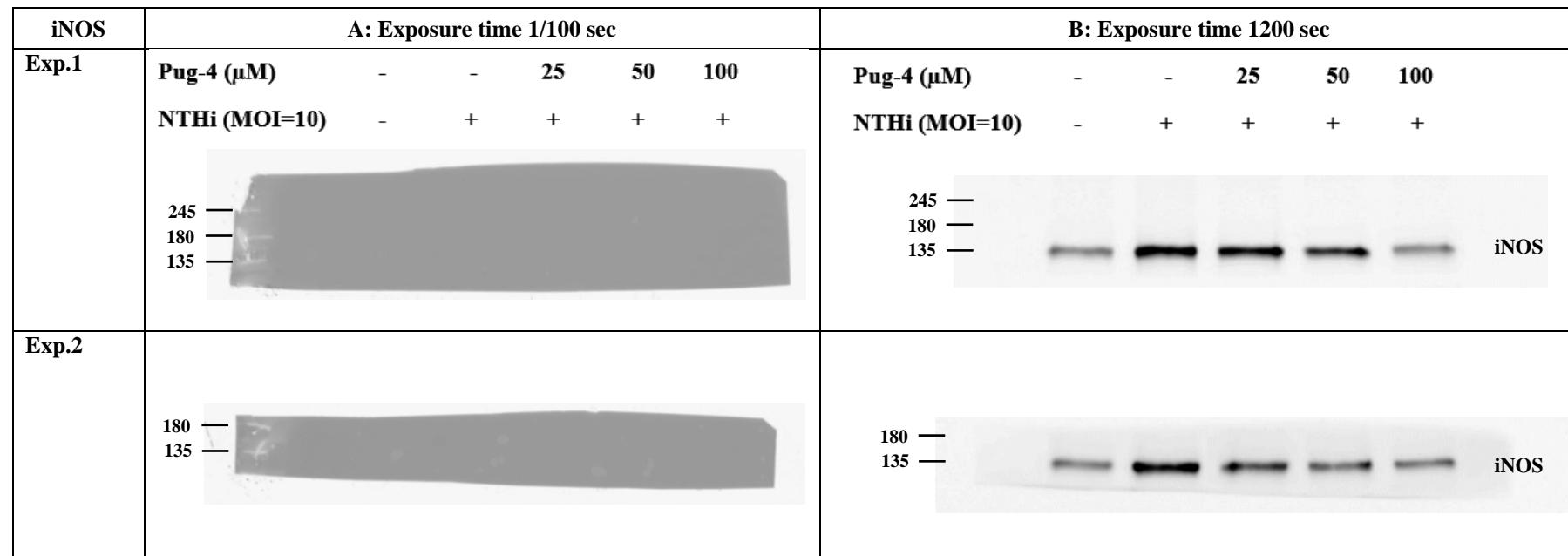
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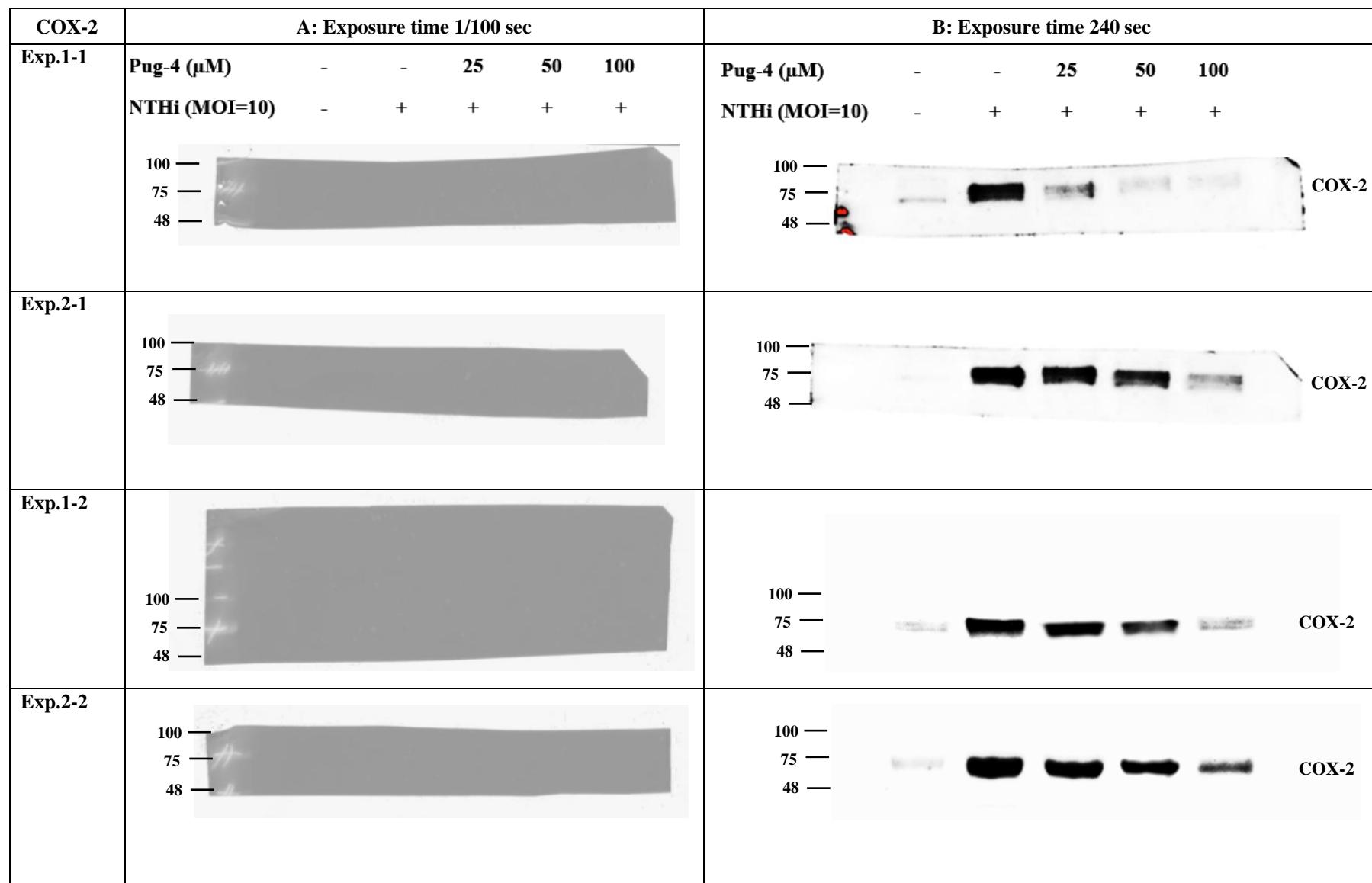
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Figure 5 Pug-4 peptide inhibited iNOS and COX-2 protein expression in NTHi-infected A549 cells.

Total proteins extraction





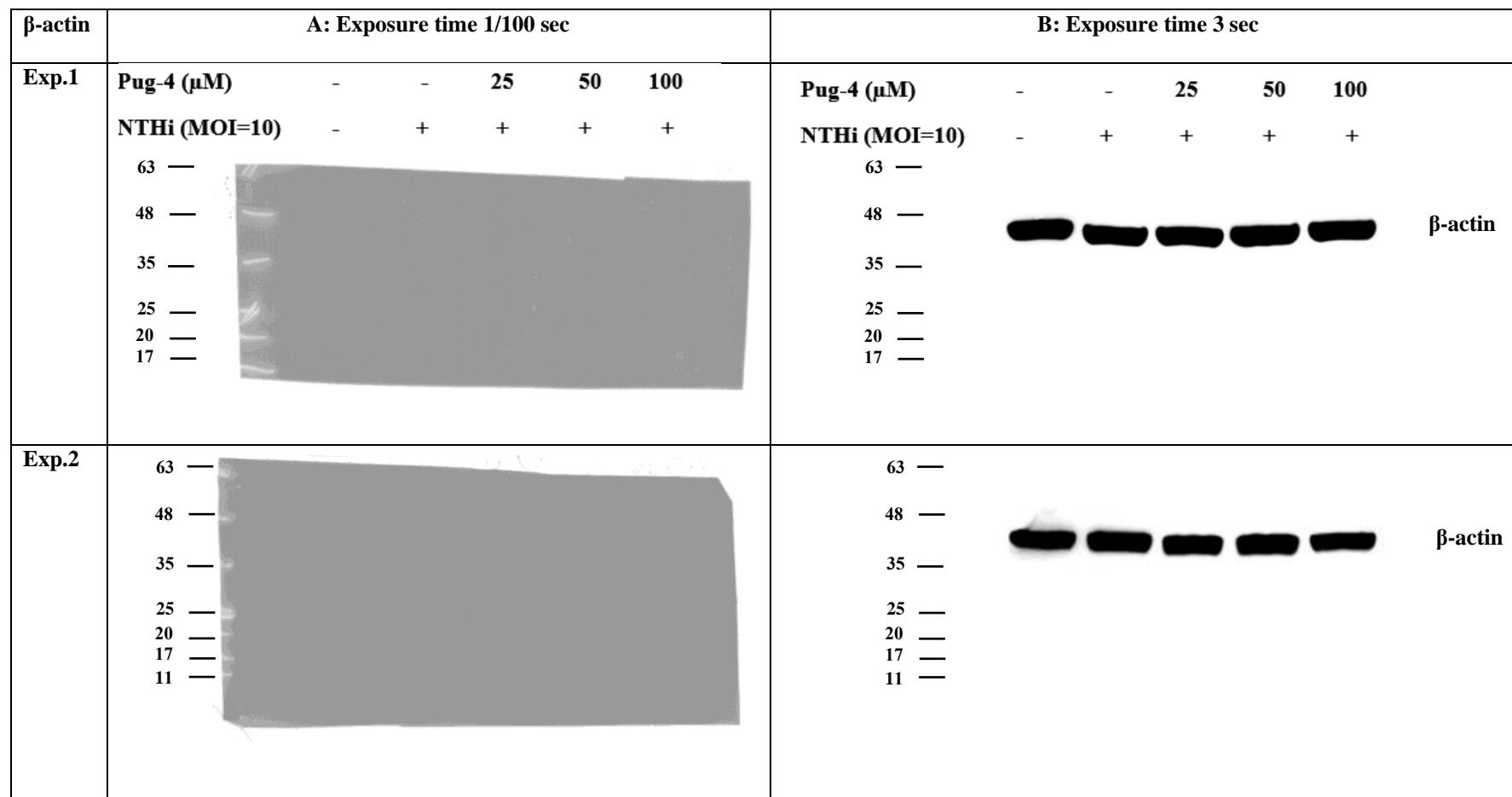
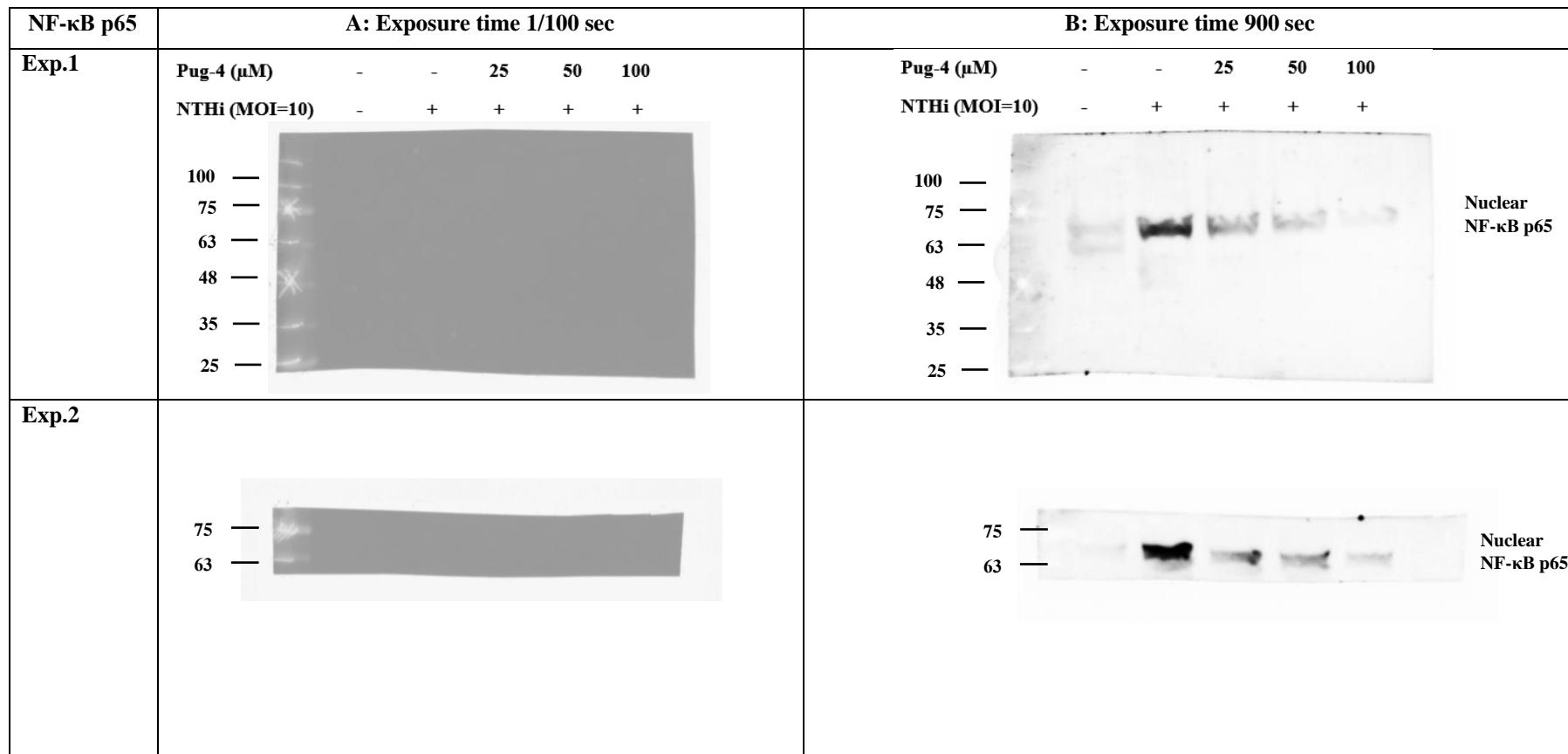


Figure 6 Pug-4 peptide inhibits NTHi-induced NF-κB activation in A549 cells.

Proteins from Nuclear extraction



Proteins from Cytoplasmic extraction

NF-κB p65	A: Exposure time 1/100 sec						B: Exposure time 240 sec					
Exp.1	Pug-4 (μM)	-	-	25	50	100	Pug-4 (μM)	-	-	25	50	100
	NTHi (MOI=10)	-	+	+	+	+	NTHi (MOI=10)	-	+	+	+	+
Exp.2												

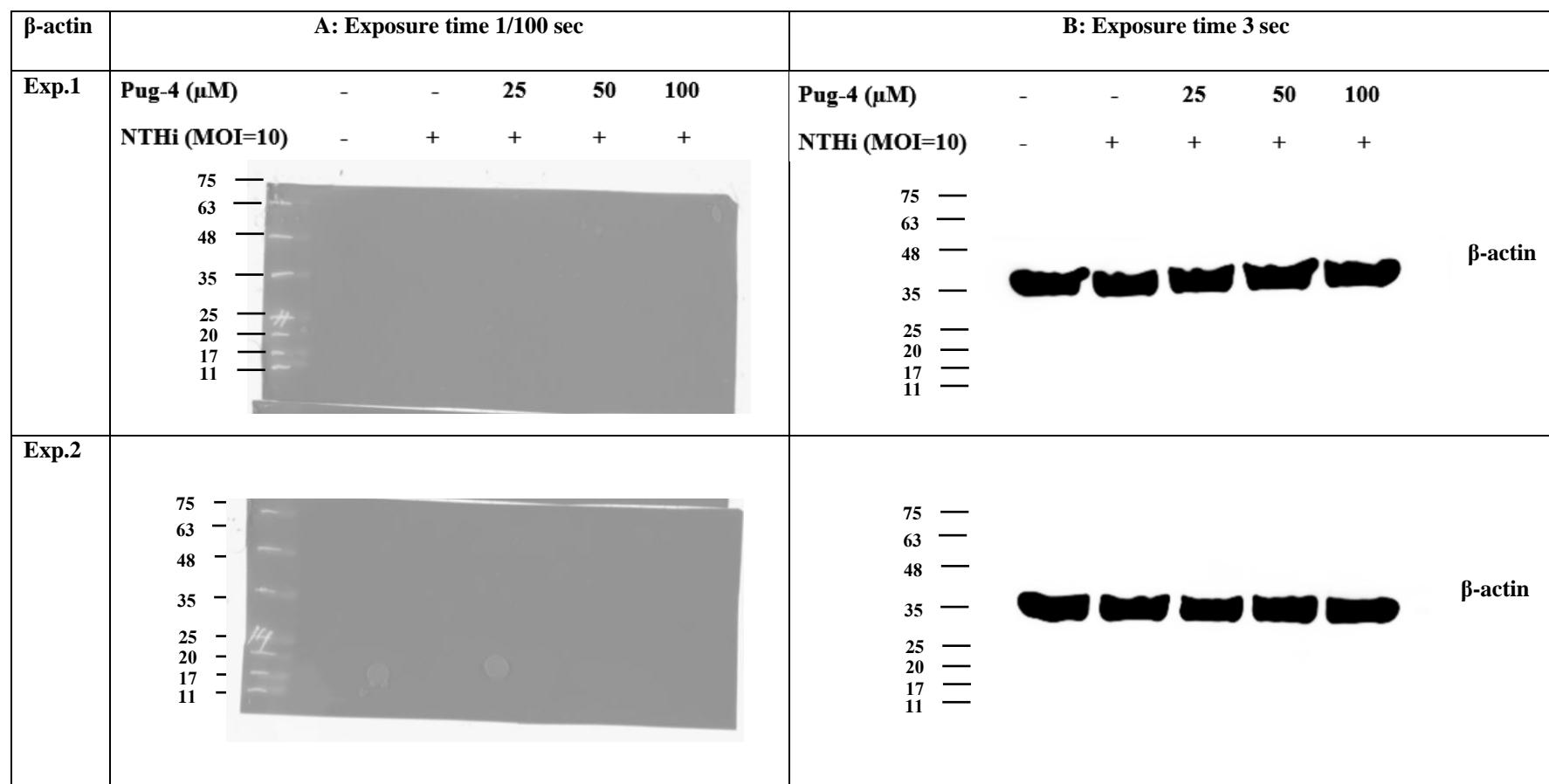
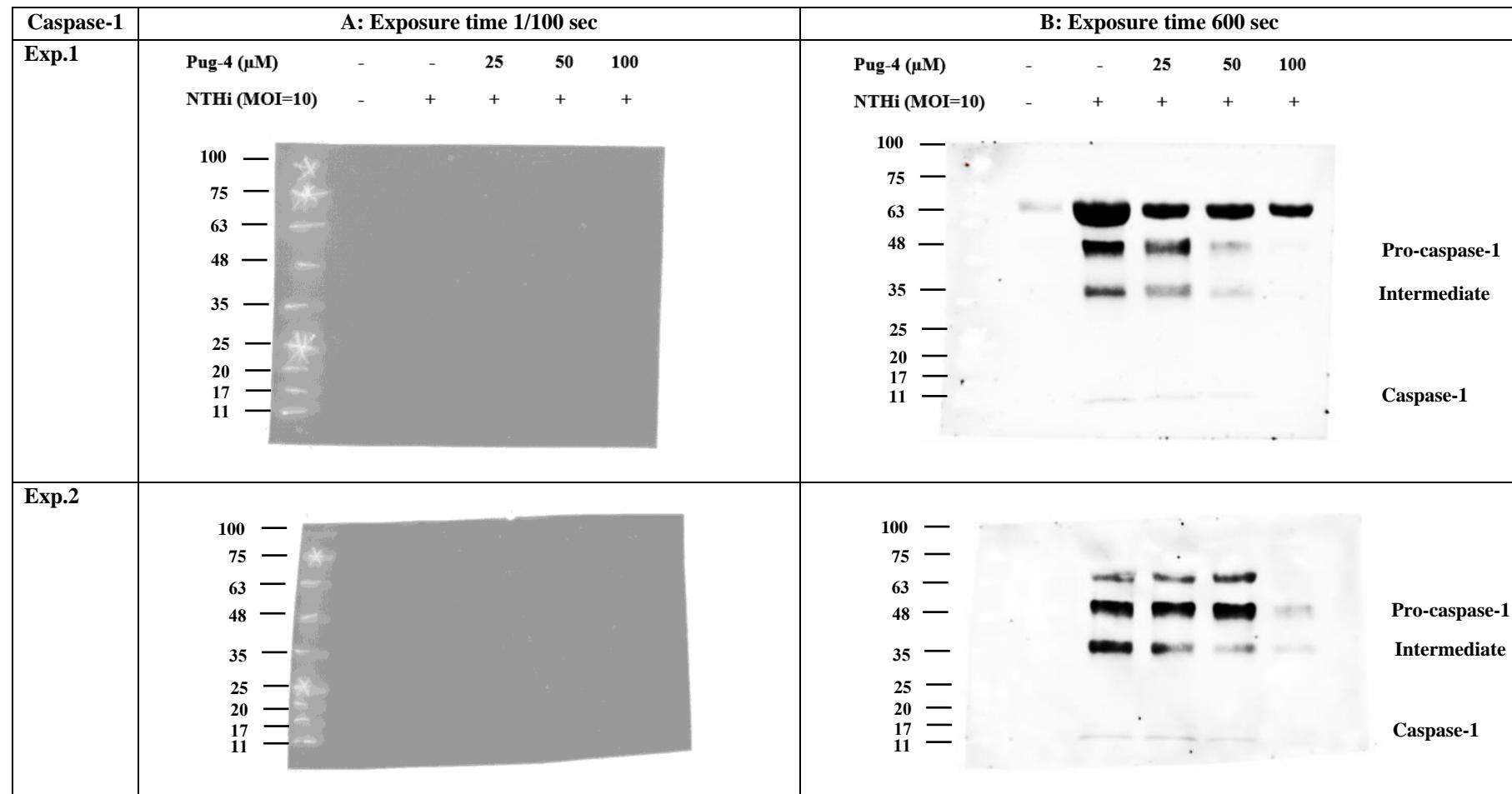
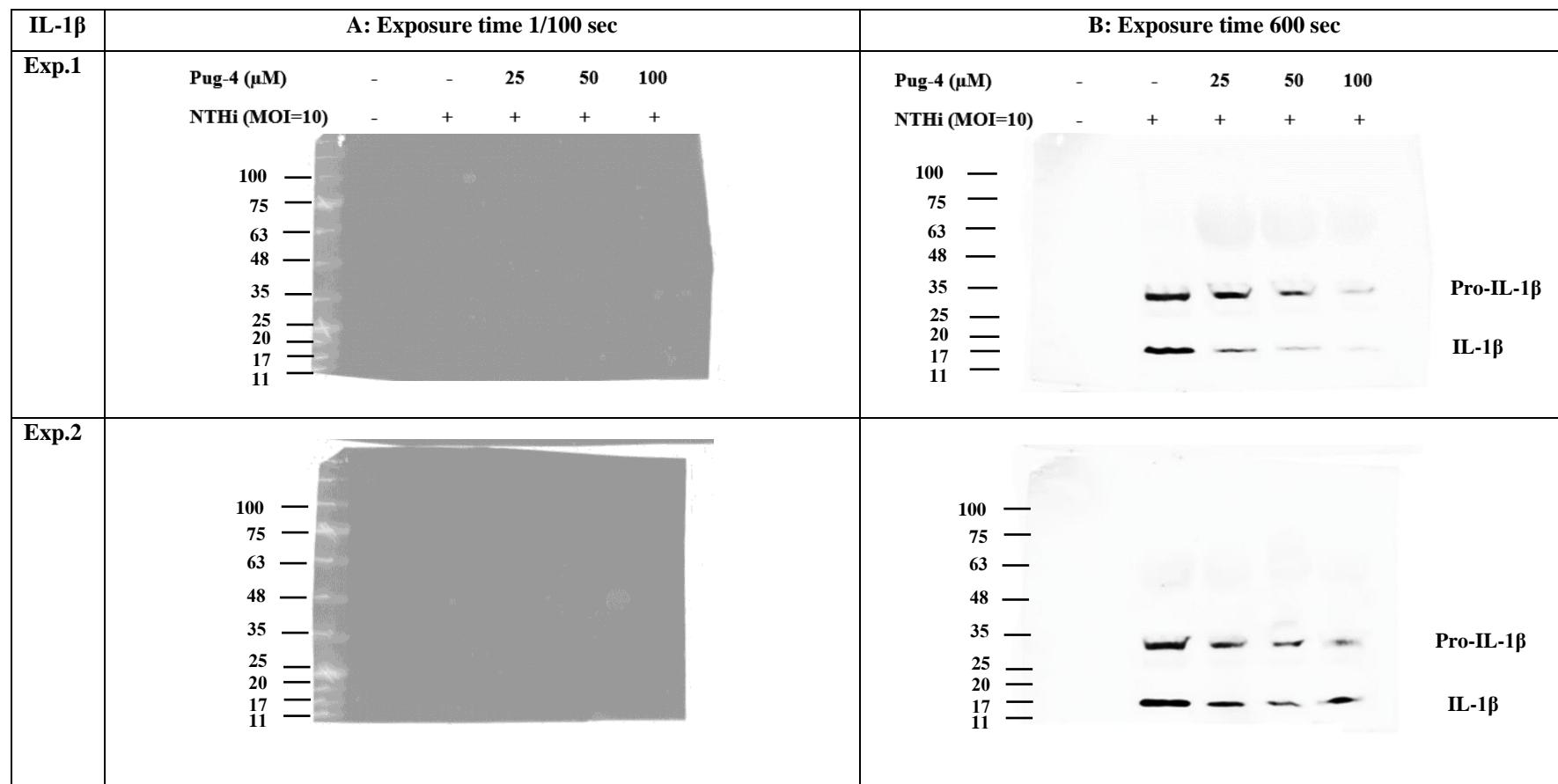


Figure 7 Pug-4 peptide suppressed NTHi-induced activation of NLRP3 inflammasome pathway in A549 cells.

Proteins from supernatant





Proteins from cell lysates

