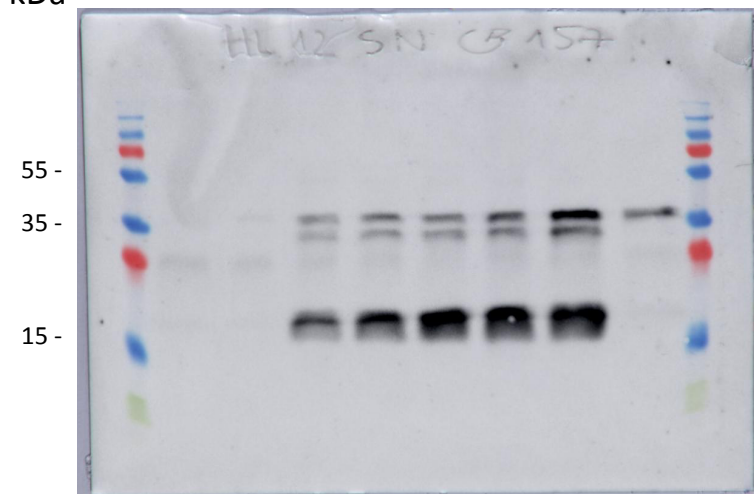


P2X7 Receptor Stimulation Is Not Required for Oxalate Crystal-Induced Kidney Injury

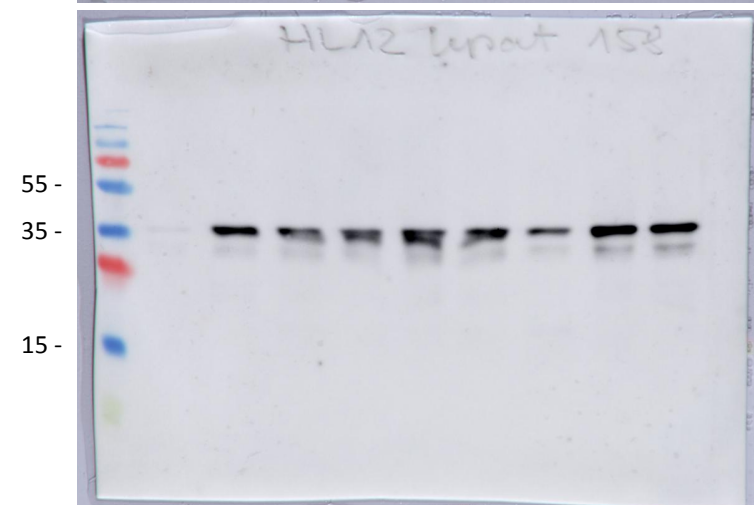
Hannah L. Luz, Martin Reichel, Robert J. Unwin, Kerim Mutig, Ana C. Najenson, Louise M. Tonner, Kai-Uwe Eckardt, Frederick W.K. Tam, Felix Knauf

2 – Uncropped original western blots figure 2B.

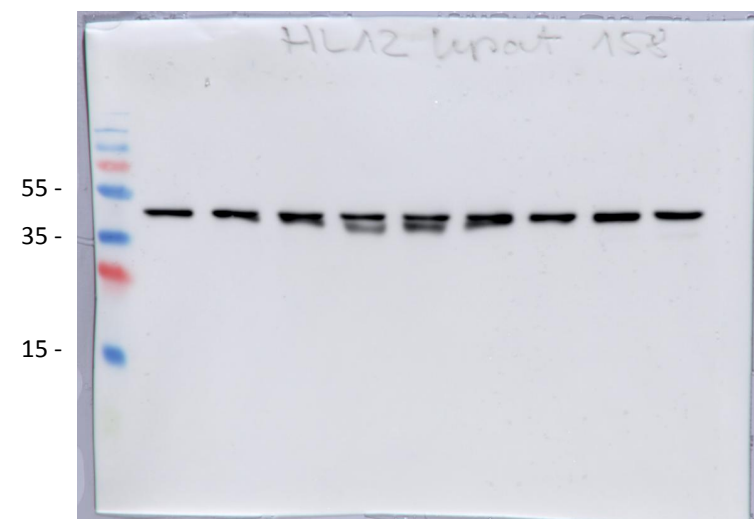
kDa



supernatant



Lysate IL-1 β



Lysate β -Actin

INH

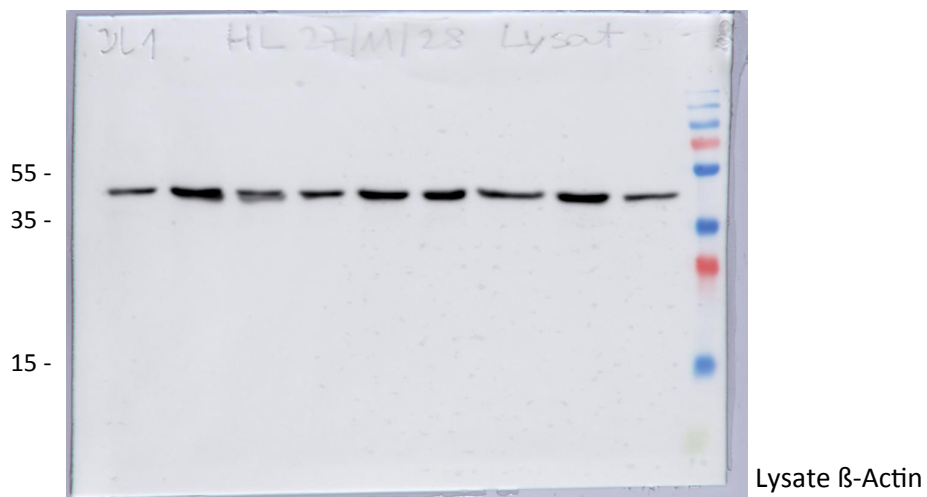
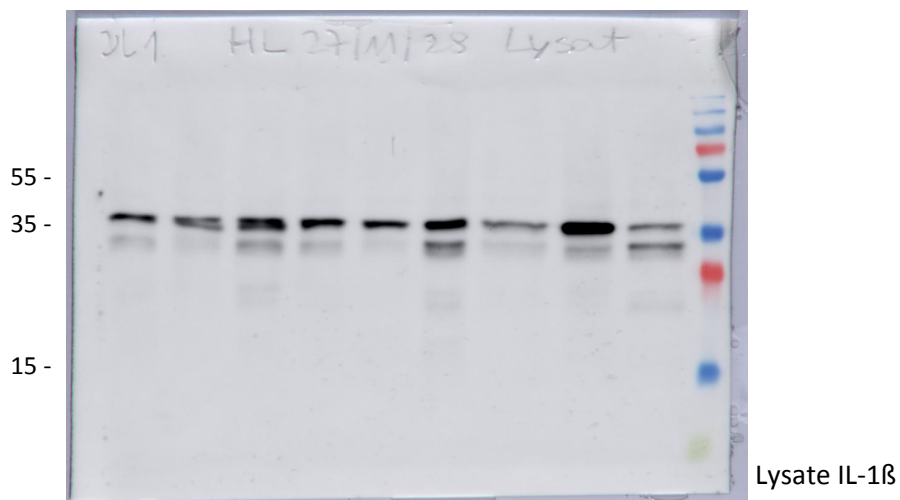
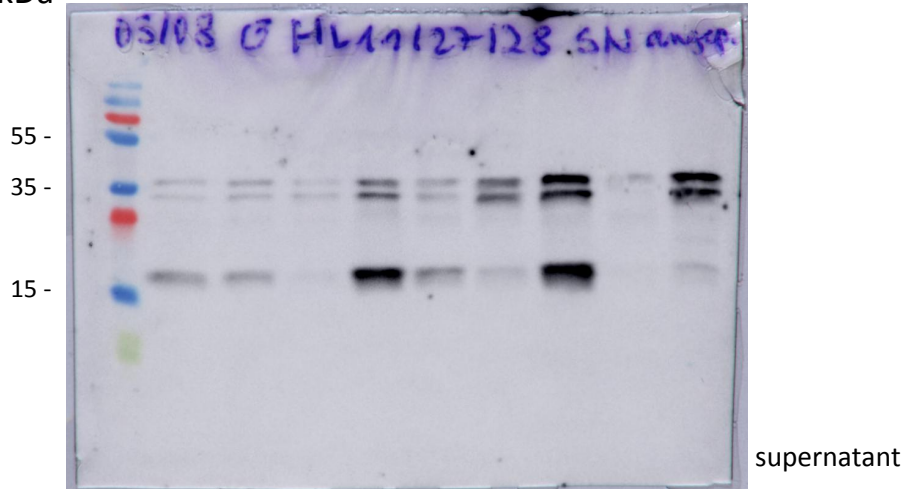
Molecular weight marker

	-	+	-	+	-	+	-	+
	CO		OX		MSU		ATP	

SN: Molecular weight marker/
Lysate: repeat LPS+ATP+INH

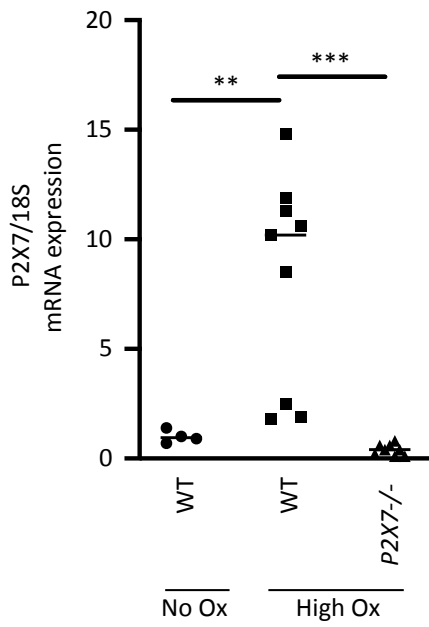
3 – Uncropped original western blots figure 3B.

kDa



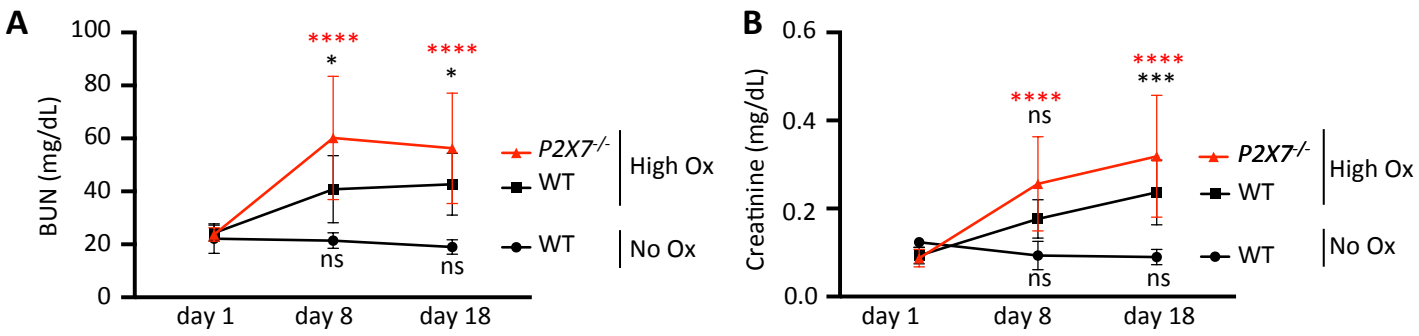
Molecular weight marker	WT	P2X7 ^{-/-}	Casp1 ^{-/-}	WT	P2X7 ^{-/-}	Casp1 ^{-/-}	WT	P2X7 ^{-/-}	Casp1 ^{-/-}	Molecular weight marker
	OX			MSU			ATP			

4 – qPCR confirming absence of P2X7 mRNA in P2X7^{-/-} mice.



Data are presented as mean. n=4 for WT animals on control diet, n=9 for littermate WT on high soluble oxalate diet, n=8 for P2X7^{-/-} animals. Statistical analysis was performed using one-way ANOVA. ***P<0,001; **P<0,01.

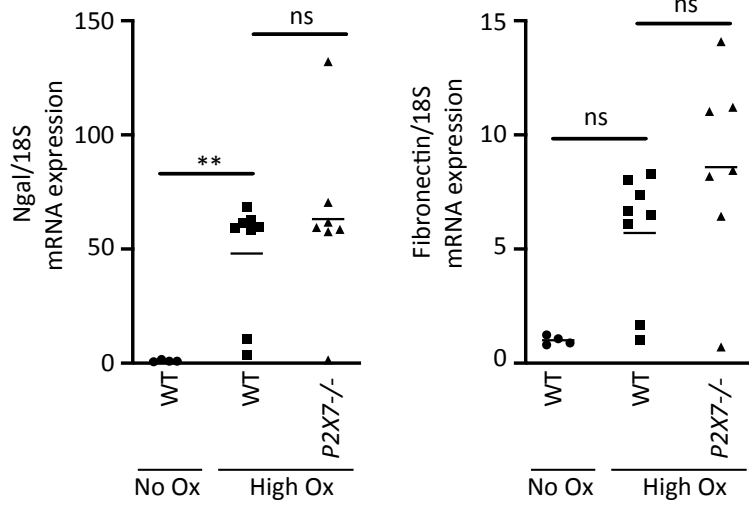
5 – Plasma BUN and creatinine in WT littermates and $P2X7^{-/-}$ mice *in vivo*.



Data are presented as mean \pm SD. n=4 for WT animals on control diet, n=9 for littermate WT on high soluble oxalate diet, n=8 for $P2X7^{-/-}$ animals. Statistical analysis was performed using two-way ANOVA. ****P<0,0001; ***P<0,001; *P<0,05; ns, not significant.

6 – P2X7^{-/-} and WT littermate mice with oxalate-induced kidney injury demonstrate no difference in renal injury and fibrosis.

A



Data are presented as mean. n=4 for WT animals on control diet, n=8 for littermate WT on high soluble oxalate diet, n=8 for P2X7^{-/-} animals. Statistical analysis was performed using one-way ANOVA. **P<0.01; ns, not significant.