

The NLRP3 Inflammasome May Contribute to Pathologic Neovascularization in the Advanced Stages of Diabetic Retinopathy

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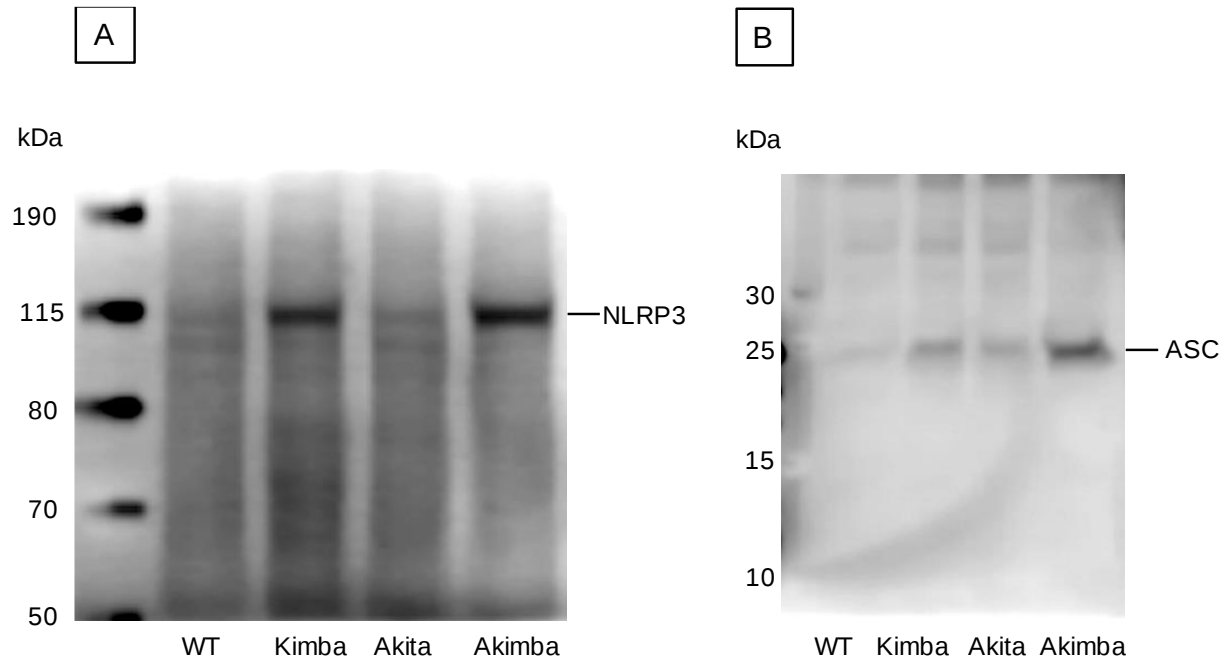
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Legends to Supplementary Figure

Supplementary Figure 1: The full-length version of the western blots of wild-type (WT), Kimba, Akita and Akimba retinal samples probed with (A) Rabbit mAb (mouse specific) NLRP3 and (B) Rabbit polyclonal ASC Ab. The predicted size for NLRP3 was 110 kDa, and ASC was 24 kDa.



Legends to Supplementary tables

Supplementary Table 1. Primer sequences used in the real time PCR.

Gene	Accession		Sequence (5'-3')	Amplicon
NLRP1	NM_001004142.2	Forward	ACCTTCCAAATCACTTCCTCTT	139
		Reverse	GTCTGATTCCAGGTCTCCATTT	
NLRP3	NM_145827.3	Forward	CTTCTAGCTTCTGCCGTGGTCTCT	189
		Reverse	CGAAGCAGCATTGATGGGACA	
Caspase-1	NM_009807.2	Forward	GTACACGTCTTGCCCTCATTATCTG	167
		Reverse	TTTCACCTCTTTCACCATCTCCAG	
ASC	NM_023258.4	Forward	CTGAGCAGCTGCAAACGACTAAA	135
		Reverse	CTTCTGTGACCCTGGCAATGAGT	
IL-1α	NM_010554.4	Forward	GGAGAAGACCAGCCCGTGTTGCT	180
		Reverse	CCGTGCCAGGTGCACCCGACTT	
IL-1β	NM_008361.3	Forward	CAACCAACAAGTGATATTCTCCATG	152
		Reverse	GATCCACACTCTCCAGCTGCA	
VEGF	NM_001025250.3	Forward	CACAGCAGATGTGAATGCAG	186
		Reverse	TTTACACGTCTGCGGATCTT	
Flt-1	NM_010228.3	Forward	GAGGAGGATGAGGGTGTCTAT	105
		Reverse	CAGGTTTGACTTGTCTGAGGT	
Flk-1	NM_010612.2	Forward	AGAGCGATGTGTGGTCTTTC	126
		Reverse	CCCGCATTCTAGTTCCTTCTT	
GAPDH	NM_008084.3	Forward	CATGGCCTCCAAGGAGTAAGA	105
		Reverse	GAGGGAGATGCTCAGTGTTGG	

Supplemenatry Table 2. List of primary antibodies used in the study.

Antibody	Company	Catalogue No.
Iba-1	Wako	019-1971
OX-42	BD Pharmingen	550282
F4/80	Abcam	ab6640
CD14	Abcam	ab203294
GFAP	Dako	Z0334
GS	Sigma Aldrich	G2781
NLRP3	Cell Signaling	15101
NLRP3	Santa Cruz	sc-66846
ASC	Adipogen	AG-25B-0006
Caspase-1	Santa Cruz	sc-514
Caspase-1	Adipogen	AG-20B-0042
IL-1β	Santa Cruz	sc-7884
IL-6	Cell Signaling	12912
PECAM-1	Cell Signaling	77699S
ICAM-1	Santa Cruz	sc-107
VEGF	Abcam	ab46154
GAPDH	Santa Cruz	sc-25778