

Supplementary file

Table S1: Primer sequences used for quantitative real-time PCR

Gene	Protein	5'-3' Sequence	Reference	Annealing Temperature (°C)	Efficiency
<i>ACTB</i> <i>Beta-actin</i>	β-Actin	CGCGAGAAGATGACCC ATTGCCAATGGTGATGAC	NM_001101	59	2.0
<i>GAPDH</i> <i>Glycerinaldehyd-3-phosphate-dehydrogenase</i>	GAPDH	AGGTCGGAGTCAACGGAT TCCTGGAAGATGGTGATG	NM_002046	59	1.8
<i>β2M</i> <i>Beta-2-mikroglobulin</i>	β2M	TGTGCTCGCGCTACTCTCTCTT CGGATGGATGAAACCCAGACA	NM_004048	59	2.0
<i>STAT3</i> <i>Signal transducer and activator of transcription 3</i>	STAT3	ATGGAGATTGCCCCGGATTGT AGCTCACTCACGATGCTTCTC	NM_00138499 3.1	66	1.8
<i>SOCS3</i> <i>Suppressor of cytokine signaling 3</i>	SOCS3	GGAGACTTCGATTCCGGGACC GAAACTTGCTGTGGGTGACC	NM_003955.5	68	2.0
<i>IL-6</i> <i>Interleukin-6</i>	IL-6	ACAGCCACTCACCTCTTCAG GTGCCTCTTTGCTGCTTTCAC	NM_000600.4	63	1.9
<i>MCP-1</i> <i>Monocyte chemoattractant protein-1</i>	MCP-1	CTTCTGTGCCTGCTGCTCATAG CTTCTGTGCCTGCTGCTCATAG	NM_002982.3	63	2.0
<i>CXCL1</i> <i>Chemokine (C-X-C motif) ligand 1</i>	CXCL1	TCCTGCATCCCCCATAGTTA CTTCAGGAACAGCCACCAGT	NM_001511.4	63	1.8
<i>IGFBP3</i> <i>Insulin-like-growth-factor-binding-protein-3</i>	IGFBP3	GCGCCAGGAAATGCTAGTGA GGGAATGTGTACACCCCTGG	NM_00101339 8.1	63	1.8
<i>C3</i> <i>Complement C3</i>	C3	GAGAAGACTGTGCTGACCCC GATGCCTTCCGGGTCTCAA	NM_000064.4	68	1.9
<i>C1r</i> <i>Complement C1r</i>	C1r	GAGGAGAATGCCAGTGGTGG GCTTCACCCTGTATCCCGTG	NM_00135434 6.2	68	1.9
<i>C1s</i> <i>Complement C1s</i>	C1s	ACCAAAGAAGGTGCTTGTTTT AGTGTCCTGAGATTATCACATC	NM_00134685 0.2	63	2.0
<i>C2</i> <i>Complement C2</i>	C2	CCTGCCCTCAGAACGTGAAT CTGGACAGCGCACAGGTTT	NM_000063.6	66	1.9
<i>C4A</i> <i>Complement C4A</i>	C4A	CCAAGCTGACCTCCCTCTC TAACCTGGAAGCCGTACTCC	NM_007293.3	63	1.9

<i>CFB</i> <i>Complement factor B</i>	CFB	CCCCGGTCTCCCTACTACAA AGGTGACGCTGTCTTCAAGG	NM_001710.6	66	1.8
<i>CFH</i> <i>Complement factor H</i>	CFH	GGAAGAGGAGAACTGGACGTTG ATGTCCACAGGGCCTTTTCTG	NM_000186.4	66	1.9
<i>SERPING1</i> <i>Serpin family G member 1</i>	SERPING1	CAGAAGTTTGGAGTCCGCTG TGTGTTGCGACCTTCCCTT	NM_000062.3	68	2.0

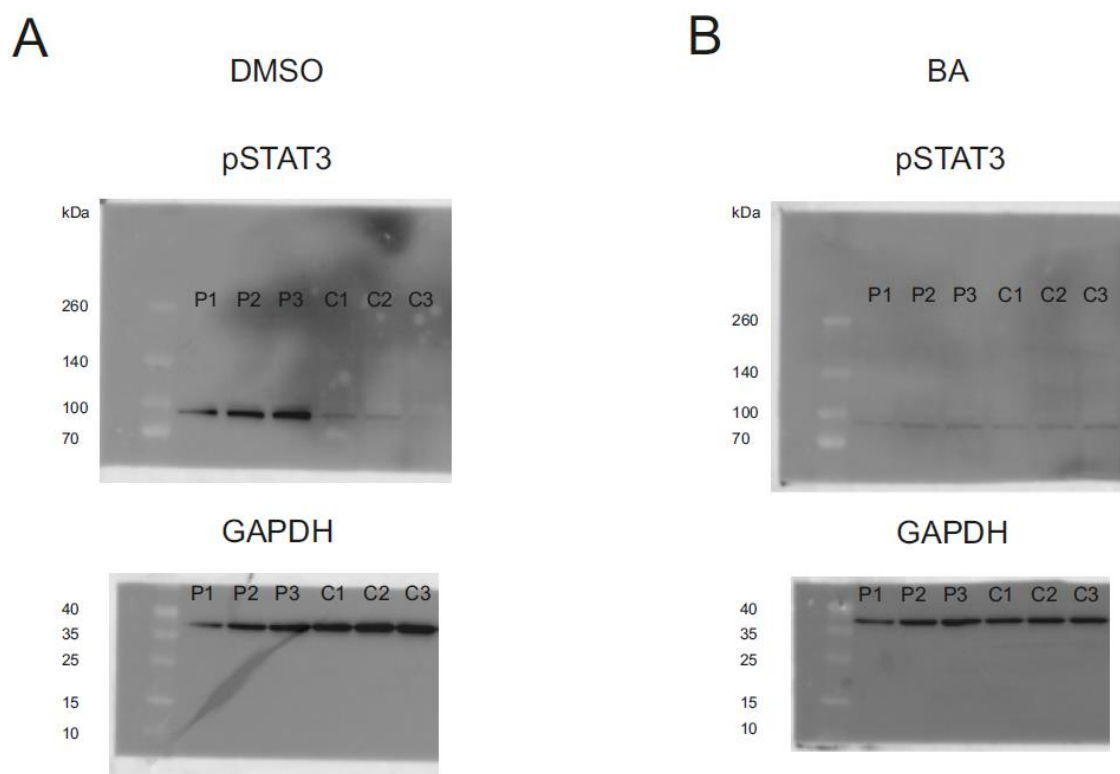


Figure S1: Western blot analysis of PXE- and control fibroblasts of pSTAT3 and GAPDH. Dermal fibroblasts from patients with pseudoxanthoma elasticum (P1-3) (n = 4) and normal human dermal fibroblasts (C1-3) (n = 4) were cultivated for 72 h in medium with 10 % lipoprotein deficient fetal calf serum (LDPS). Fibroblasts were treated with (A) DMSO or (B) 1 μ M baricitinib (BA). Active STAT3 phosphorylated at tyrosine 705 (pSTAT3) and GAPDH were analyzed, 20 μ g protein were used for analysis.