

**Supplementary Table 1.** List of primary antibodies used in western blot and PLA assay, along with the sources.

**Supplementary Table 2.** List of primers used in real time-PCR, CRISPR-CAS9 gRNA, cloning, and site-directed mutagenesis.

# Supplementary Table 1

## Antibody information

### Western Blot

Antibody	Clone	Distributor
anti-iNOS	#2982S	Cell Signaling
anti-Phospho-Syk (Tyr525/526)	#2710	Cell Signaling
anti-Phospho-p44/42 MAPK	#4370s	Cell Signaling
anti-Syk Antibody	#2712s	Cell Signaling
anti-Lyn (C13F9)	#2796	Cell Signaling
anti-SHPS1 (D6I3M)	#13379	Cell Signaling
anti-Erk1/2	sc-94	Cell Signaling
anti-SH-PTP1 (SHP-1)	sc-287	Santa Cruz
anti-Cox-2	sc-1745	Santa Cruz
HA-probe (Y-11)	sc-805	Santa Cruz
anti- $\beta$ -Actin(N-term)	LF-PA0207	Abfrontier
anti-CD11b	ab75476	Abcam
anti-V5	ab9116	Abcam
anti-FLAG	F7425	Sigma Aldrich
anti-Myc	06-340	Millipore
anti-Mincle	D292-3	MBL life science

### PLA assay

Antibody	Clone	Distributor
anti-V5 tag	ab9137	Abcam
anti-DDDDK tag	ab1257	Abcam
anti-HA tag	ab9134	Abcam
anti-Myc tag	ab9132	Abcam
anti-V5	ab9116	Abcam
anti-Talin 1	ab57758	Abcam
anti-Pirb	sc-9609	Santa Cruz
anti-SIRP-a	sc-6922	Santa Cruz
HA-probe (Y-11)	sc-805	Santa Cruz
anti-FLAG	F7425	Sigma Aldrich

# Supplementary Table 2

## Primers

### Real time-PCR

Gene	GeneBank ID	5'Forward sequence3'	3'Reverse sequence5'
Il-6	NM 031168	CCAAGACCATCCAATTCATC	CCACAAACTGATATGCTTAGG
TNF $\alpha$	NM 013693	ATGTCCATTCTGAGTTCTG	AATCTGGAAAGGTCTGAAGG
IL-1a	NM 010554	AGGGAGTCAACTCATTGGCG	CTTCCCGTTGCTTGACGTTG
IL-1b	NM 008361	TCAACCAACAAGTGATATTCTC	ACACAGGACAGGTATAGATTC
Cxcl2	NM 009140	CATCCCACCCACACAGTGAAAGAG	CCTTCCATGAAAGCCATCCGACTG
Ccl2	NM 011333	TTCCACAACCACCTCAAGCACTTC	TTAAGGCATCACAGTCCGAGTCAC
Cxcl10	NM 021274	TCGCTCAAGTGGCTGGGATGG	GGGCATGGCACATGGTGAAGG
Nos2	NM 010927	AATCTTGGAGCGAGTTGTGG	CAGGAAGTAGGTGAGGGCTTG
Mincle	NM 019948	AGTGAGGCATCAGTTTCAGTCAAG	GACCAGGTCAAGGTTGTCGTAGAG
Cox-2	NM 011198	GCCCGTGCTGCTCTGTCTTAAC	GTTGCTCTAGGCTTTGCTGGCTAC
Mmp3	NM 010809	CTCATGCCTATGCACCTGGA	GGCTGAGTGGTAGAGTCCCA
IL-12p35	NM 001159424	TTTGATGATGACCCTGTGCCTTGG	GATTCTGAAGTCTGCGTTGATGG
IL-12p40	NM 001303244	AGTAAAGACATAGGTGGTATTTG	CTGGTTTCTTATCAATATCACTTC
IL-10	NM 010548	GCACTACCAAAGCCACAAAGCAG	GTCAGTAAGAGCAGGCAGCATAGC
IFN $\beta$	NM 010510	CCACTTGAAGAGCTATTACTG	AATGATGAGAAAGTTCCTGAAG
Src	NM 009271	CGCCTCACTACCGTATGTCC	CAACACCCGGAAGCCTAGAG
Yes	NM 009535	CGGCAAGACAAGGTGCAAAA	CCTGTGGAGTAACAGCCAAGT
Fyn	NM 001122893	GCCACATAGCTACAGGACCG	AATCACAGTTCGCTGGAGCA
Fgr	NM 010208	GCTGGAAGTTAGGGTTGGCT	GCCTCATAGTCGTACAGGGC
Lck	NM 001162432	ATGGAGAACGGGAGCCTAGT	GACACGCATCAATCGCAGAC
Hck	NM 001172117	CCTCCGAGATGGAAGCAAGG	GCCACTTTGGTGTGCTTGTT
Blk	NM 007549	GCCCAGTAGAGACTCTGGA	GCCTGGGGATTTCCCATTC
Lyn	NM 001111096	AGGAAGAACACCCTGGATGC	CATTTTCTGGGGTTGTGCG
Frk	NM 001159544	CTATTGTGCGGCACCGAATG	AGGCAAAGGTGTCCCAAACA
Gapdh	NM 008084	GGCAAATCAACGGCACAGTCAAG	TCGCTCCTGGAAGATGGTATGG

### Crispr-Cas9 gRNA

Gene	5'Forward sequence3'	3'Reverse sequence5'
CD11b	CACCGCTTGTGTCATGGCTTCAATC	AAACGATTGAAGCCATGACACAAGC
Lyn	CACCGGTTCCGGTCAGTATTACGTAC	AAACGTACGTAATACTGACCGAACC
Sirp $\alpha$	CACCGCCGCGGCCCATGGAGCCCGC	AAACGCGGGCTCCATGGGCCGCGGC
Syk	CACCGTATTGCACTACCGCATTGAC	AAACGTCAATGCGGTAGTGCAATAC

## Supplementary Table 2 continued

Primers

Cloning

Plasmid		Primer sequence	Restriction Enzyme
pCS4-3×flag-shp1	Forward	AATGAATTCAATGGTGAGGTGGTTTCA	EcoRI
	Reverse	ATTCTCGAGTCACTTCCTCTTGAGAGAAC	XhoI
pCS2-6×myc-shp2	Forward	AGTGAATTCAATGACATCGCGGAGAT	EcoRI
	Reverse	TGATCTAGATCATCTGAAACTCCTCTGCT	XbaI
pCS2-6×myc-shp1	Forward	ATTGAATTCAATGCCTGCCATGGT	EcoRI
	Reverse	AAACTCGAGTCACTGCATGGCAGTC	XhoI
pCS4-3×flag-syk	Forward	AATGAATTCAATGGCGGGAAGTG	EcoRI
	Reverse	ATTCTCGAGTTAGTTAACCACGTCGTAGT	XhoI
pCS4-3×flag-CD11b	Forward	AAATCTAGATATGACTCTTAAAGCTCTTCT	XbaI
	Reverse	ATAGCTAGCTTACTGAGGTGGG	NheI
pCS4-3×flag-CD18	Forward	ATTGAATTCAATGCTGGGCCCACT	EcoRI
	Reverse	AAACTCGAGCTAGCTTTCAGCAAATT	XhoI
pCS4-3×HA-Lyn	Forward	GCGAGATCTGGATGGGATGTATTAATC	BglII
	Reverse	ATTCTCGAGCTACGGTTGCTGCTGA	XhoI
pcDNA3.1-MincleV5	Forward	CCCGATCCACCATGAATTCAACCAAATCGCCTG	BamHI
	Reverse	CCGCTCGAGGTCCAGAGGACTTATTTCTGGCAT	XhoI
pcDNA4-FceR1g-Myc	Forward	CCCAAGCTTATGATCTCAGCCGTGATCTT	HindIII
	Reverse	CGCCTCGAGCTGGGGTGGTTTCTCATGCTT	XhoI

Site-directed mutagenesis

Mutation		Primer sequence
Shp1 DN C453S	Forward	GGCCCATCATTGTGCATAGCAGCGCTGGCATCGGCC
	Reverse	GGCCGATGCCAGCGCTGCTATGCACAATGATGGGCC
Shp1 DN D419A	Forward	AGTACCTGAGCTGGCCTGCCCATGGGGTTCCAGTGAG
	Reverse	CTCACTGGGAACCCCATGGGCAGGCCAGCTCAGGTACT