

Supplement figure legends

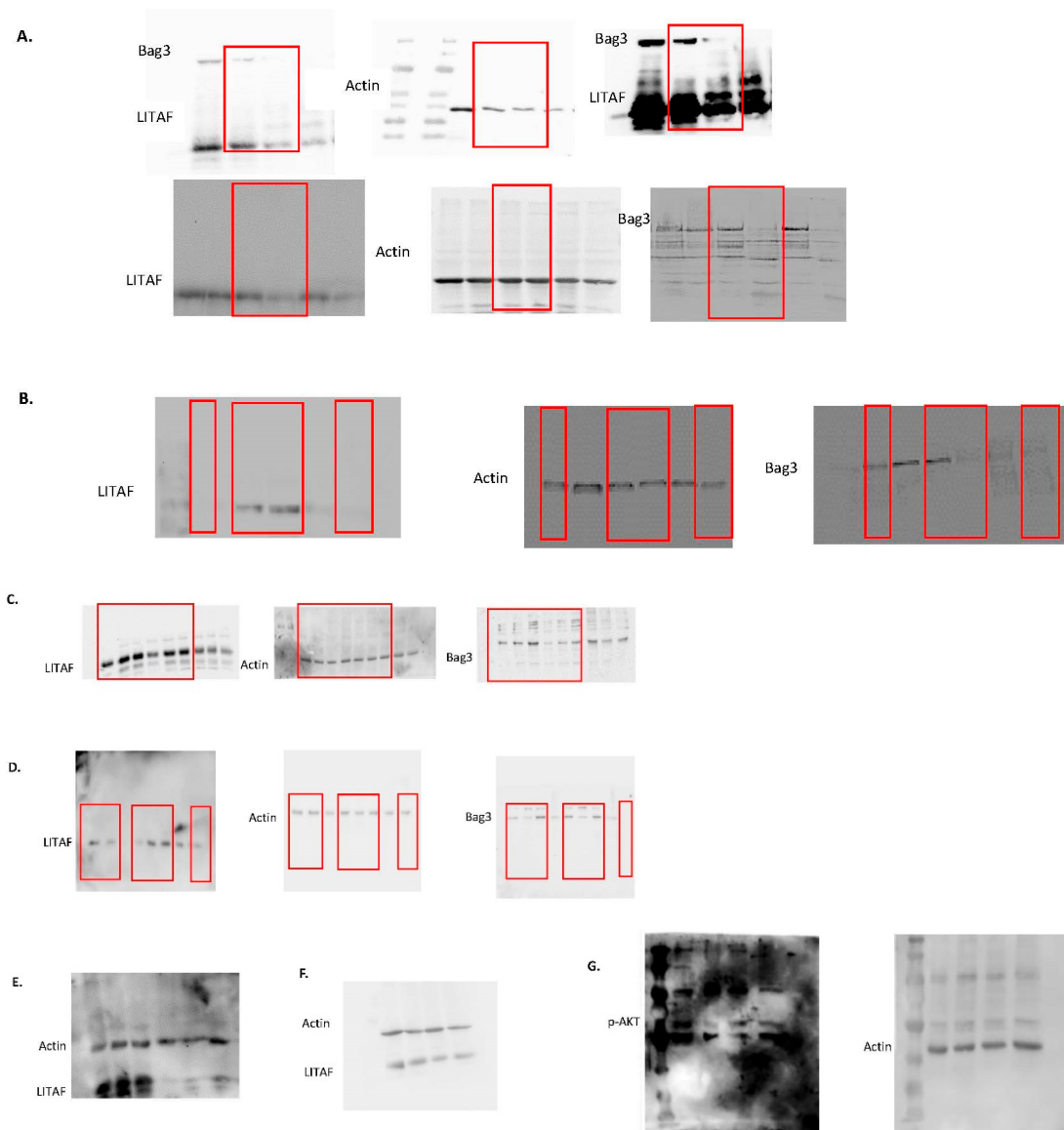


Figure S1 Corresponding uncropped blots to Figures (A) 1 (B) 3B (C) 3C (D) 3D (E) 3F (F) 3F (G) 5C. Red squares represent the bands that were cropped and used in the final figures

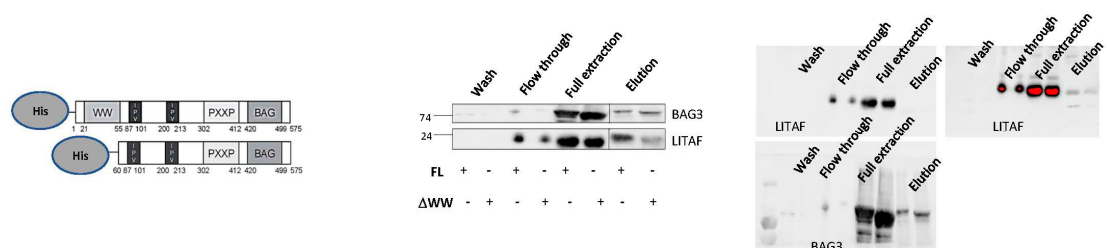


Figure S2 LITAF binds to BAG3 WW domain. 293T cells were transfected with full length or WW deleted (DWW) BAG3 His-tagged plasmids. Cells were lysed and constructs were pulled down using Hispur Ni-NTA beads. Left upper panel- Full length BAG3 construct. Left lower panel DWW BAG3 construct. Right panel- Western

blot results of the different stages of the pull down with corresponding uncropped blots.

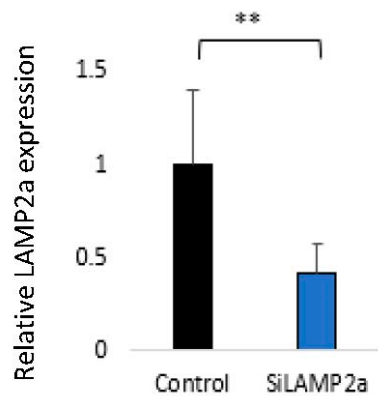


Figure S3 Relative expression of LAMP2a in control and LAMP2a depleted cells. THP1 cells were transfected with indicated LAMP2a siRNA for 72 h followed by real-time PCR analysis of LAMP2a mRNA levels. Depicted is the mean relative expression (log2) $\pm$ s.e.m. **p $\leq$ 0.01.

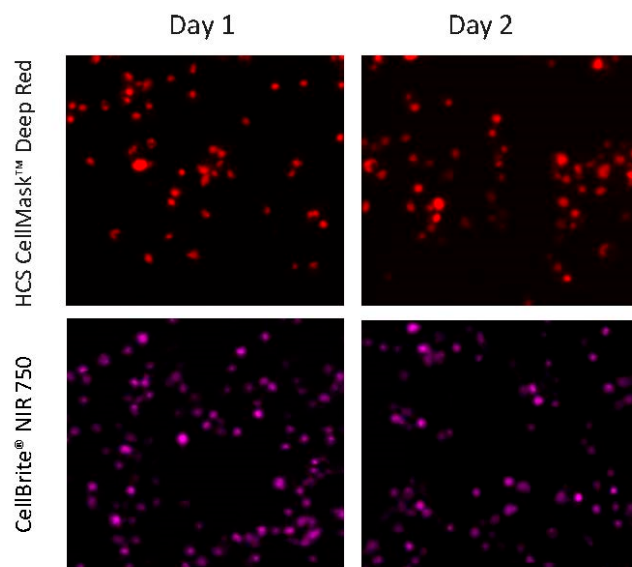


Figure S4 Cell membrane stain 24h follow up THP1 cells were plated and differentiated with 120nm PMA. The next day cells were stained with CellMask deep Red or CellBrite NIR 750 for 90 minutes. Then cells were washed, and pictures were taken with fluorescent microscope right after wash and 24h later

Table S1: Common Upregulated and downregulated genes in Bag3 SiRNA, LITAF SiRNA and JG98 treated THP1 cells according to RNA sequencing data.

Common_genes_ UPREGULATED_1257	Common_genes_ DOWNREGULATED_1504
HES4	LINC01128
ISG15	KLHL17
NADK	ACAP3
TNFRSF14	FNDC10
THAP3	SLC35E2B
FBXO6	SLC35E2A
DHRS3	SKI
ARHGEF19	ARHGEF16
CPLANE2	TP73
NBL1	NPHP4
TMCO4	GPR153
C1QA	PLEKHG5
LYPLA2	NOL9
HMGCL	DNAJC11
FUCA1	PER3
PNRC2	ERRFI1
TMEM50A	SLC45A1
GPATCH3	RERE
LINC02574	TMEM201
IFI6	PIK3CD
STX12	UBE4B
LAPTM5	DFFA
SPOCD1	SRM
TMEM234	EXOSC10
RNF19B	MTOR
ADPRHL2	UBIAD1
EVA1B	KAZN
C1orf122	ZBTB17
RRAGC	PADI2
LOC105378663	RCC2
RLF	CAMK2N1
ZNF684	CDA
RIMKLA	HP1BP3
TESK2	EIF4G3
HSPB11	ECE1
TMEM59	USP48
PDE4B	HSPG2
TCTEX1D1	E2F2
WDR78	MAN1C1
MIER1	SELENON
IL23R	SH3BGRL3

ZRANB2
ACADM
USP33
DNAJB4
IFI44L
IFI44
CTBS
MCOLN2
MCOLN3
C1orf52
SH3GLB1
HS2ST1
GTF2B
KYAT3
GBP3
GBP1
GBP2
GBP4
GBP5
GBP1P1
KIAA1107
GLMN
BCAR3
FRRS1
STXBP3
WDR47
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GNAI3
TMIGD3
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SEC22B
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FCGR1CP
POLR3GL
FCGR1A
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HIST2H2AA4
HIST2H4B
PLEKHO1

UBXN11
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MAP3K6
GPR3
AHDC1
SERINC2
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KPNA6
SFPQ
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TMEM53
KIF2C
HPDL
NASP
RAD54L
STIL
FOXD2-AS1
ZYG11A
LRP8
CYB5RL
SSBP3
DEPDC1
HHLA3
DDAH1
CDC7
F3

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C1orf54
HORMAD1
CTSS
CTSK
PSMD4
SNAPIN
RPS27
IL6R-AS1
IL6R
THBS3
RIT1
SSR2
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AIM2
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SOAT1
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RGS2
CFHR1
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CYB5R1
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DUSP10
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NVL

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GSTM2
CSF1
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DCLRE1B
IGSF3
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LINC00622
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FAM72D
PIAS3
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LIX1L
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GJA5
SF3B4
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CA14
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KCNN3
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CLK2
MEX3A
IQGAP3
GPATCH4
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PRCC
KIRREL1
IGSF8
DCAF8
SLAMF1
ADAMTS4
FCRLA
FCRLB

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ADAM17
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GCA
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CIR1
NFE2L2
RBM45
PLEKHA3
ITPRID2
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TYW5
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DNAJB2
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EMC3

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RADIL
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KCNQ3
CHRA1
DENND3
ARC
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TIGD5
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HGH1
HSF1
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FAM27E3
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CDK20
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TBC1D2
NR4A3
ERP44
ZNF189
SLC31A2
CDC26
ATP6V1G1
NEK6
HSPA5
ZNF79
SLC25A25
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TOR1B
TOR1A
UCK1
AGPAT2
SNHG7
TRAF2
FBXW5
IFITM1
IFITM3
IRF7
MOB2
CDKN1C
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