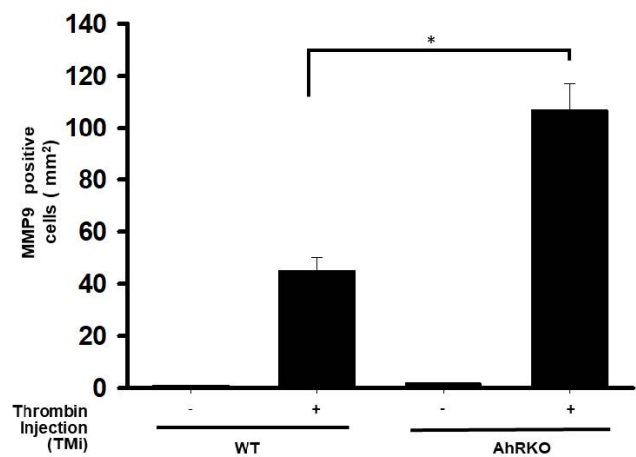
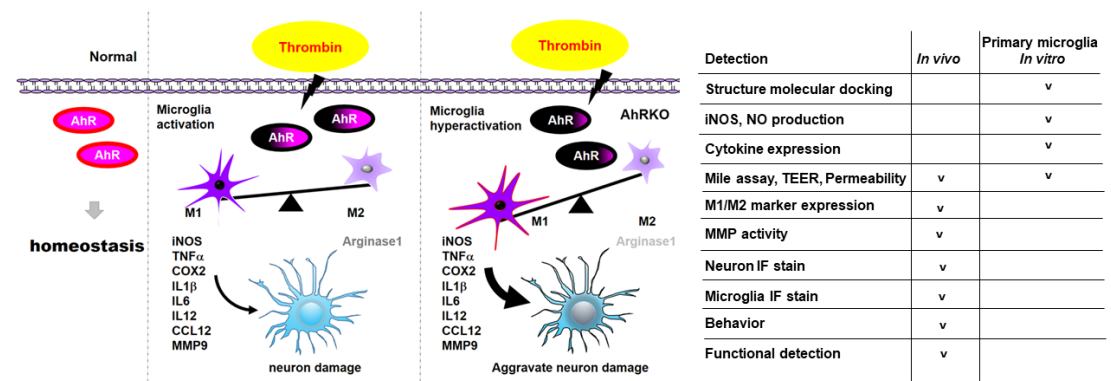


Supplementary data:
Supplementary Figure S1:



Supplementary Figure S1: The quantitative analysis in number of MMP-9 positive cells by counting the number of double staining with both Iba1 (green) and MMP 9 in the brain sections at 72 h after thrombin injection. The data was presented as number/surface area (mm²) (n=3). *:p<0.05



Supplementary Figure S2: The graph consisting of hypothesis of AhR involved in thrombin induced microglia cell activation and the tables of in-vitro and in-vivo experiment.

Supplementary Table S1: Sequence of primer (mouse) used for RT-PCR

Primer	Forward (5'-3')	Reverse (5'-3')
iNOS	GACATTACGACCCCTCCCAC	GCACATGCAAGGAAGGGAAC
IL-1 β	TGCCACCTTTTGACAGTGATG	AAGGTCCACGGGAAAGACAC
TNF- α	TGATCGGTCCCCAAAGGGAT	TGTCTTTGAGATCCATGCCGT
IL-6	CAACGATGATGCACTTGCAGA	GTGACTCCAGCTTATCTCTTGGT
β -actin	TGCTGTCCCTGTATGCCTCTG	TGATGTCACGCACGATTTCC
IL-12	AGCACGGCAGCAGAATAAA	CTCCACCTGTGAGTTCTTCAA
PGE2	GCGACATACTCAAGCAGGAGCA	AGTGGTAACCGCTCAGGTGTTG
CCL2	GCTACAAGAGGATCACCAGCAG	GTCTGGACCCATTCTTCTTGG