

Table SI. Antibody information for western blotting.

Antibody	Manufacturer	Catalogue number	Dilution
TMEM119	Protein Tech Group, Inc.	27585-1-AP	1:2,000
GnRHR	Protein Tech Group, Inc.	19950-1-AP	1:5,000
CD86	Protein Tech Group, Inc.	13395-1-AP	1:2,000
CD206	Protein Tech Group, Inc.	18704-1-AP	1:2,000
Iba1	Protein Tech Group, Inc.	10904-1-AP	1:500
$\beta$ -actin	Protein Tech Group, Inc.	20536-1-AP	1:5,000
Goat anti-rabbit IgG	Beyotime Institute of Biotechnology	A0208	1:5,000

GnRHR, gonadotropin-releasing hormone receptor; TMEM119, transmembrane protein 119; Iba1, ionized calcium binding adaptor molecule 1.