

CD68 Rabbit pAb

Catalog No.: A6554SP

31 Publications

Basic Information

Observed MW

70-140 kDa

Calculated MW

37 kDa/32 kDa/35 kDa

Category

Primary antibody

Applications

WB, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a 110-kD transmembrane glycoprotein that is highly expressed by human monocytes and tissue macrophages. It is a member of the lysosomal/endosomal-associated membrane glycoprotein (LAMP) family. The protein primarily localizes to lysosomes and endosomes with a smaller fraction circulating to the cell surface. It is a type I integral membrane protein with a heavily glycosylated extracellular domain and binds to tissue- and organ-specific lectins or selectins. The protein is also a member of the scavenger receptor family. Scavenger receptors typically function to clear cellular debris, promote phagocytosis, and mediate the recruitment and activation of macrophages. Alternative splicing results in multiple transcripts encoding different isoforms.

Recommended Dilutions

WB 1:1000 - 1:3000**IHC-P** 1:8000 - 1:24000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

968

Swiss Prot

P34810

Immunogen

This information is considered to be commercially sensitive.

Synonyms

GP110; LAMP4; SCARD1; CD68

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

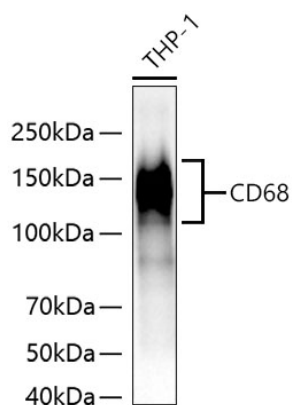
Storage

Store at -20°C

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Validation Data



Western blot analysis of lysates from THP-1 cells using CD68 Rabbit pAb (A6554SP) at 1:1000 dilution incubated overnight at 4°C.

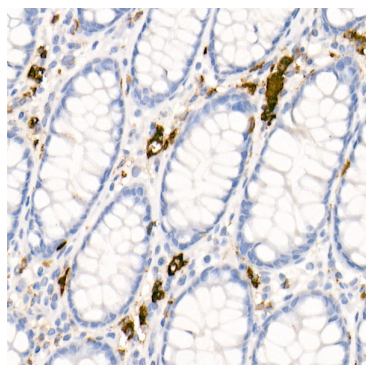
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

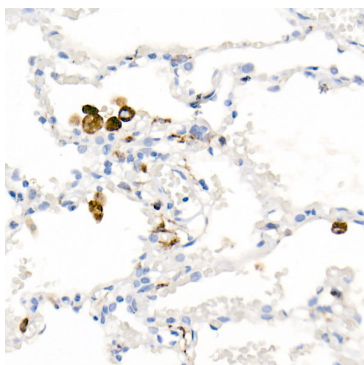
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30 s.



Immunohistochemistry analysis of paraffin-embedded Human colon tissue using CD68 Rabbit pAb (A6554SP) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung tissue using CD68 Rabbit pAb (A6554SP) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.