

CD68 Rabbit Polyclonal Antibody

Catalog No: #53543

Package Size: #53543-1 50ul #53543-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

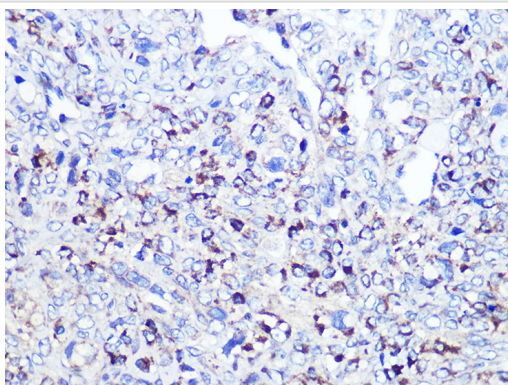
Description

Product Name	CD68 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human CD68 (NP_001242.2).
Conjugates	Unconjugated
Other Names	CD68;GP110;LAMP4;SCARD1
Accession No.	Swiss Prot:P34810GenelD:968
Calculated MW	31kDa/34kDa/37kDa
SDS-PAGE MW	80-110KDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

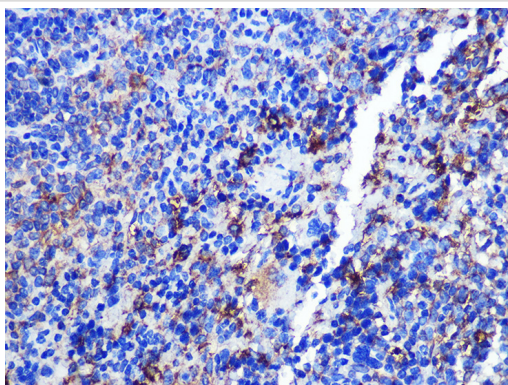
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:200

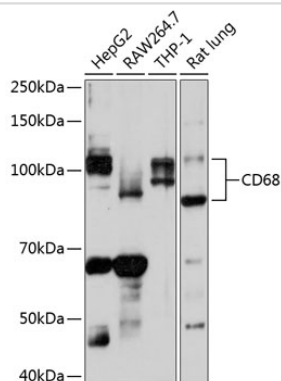
Images



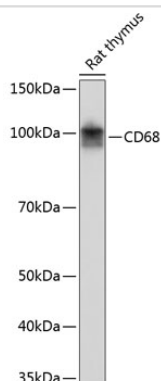
Immunohistochemistry of paraffin-embedded Human oophoroma using CD68 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Mouse spleen using CD68 at dilution of 1:100 (40x lens).



Western blot analysis of extracts of various cell lines, using CD68 Polyclonal at 1:1000 dilution.



Western blot analysis of extracts of Rat thymus, using CD68 Polyclonal at 1:1000 dilution.

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.

Published Papers

Chunli Li;Fei Fang;Erxiang Wang;Hanqiao Yang;Xinrui Yang;Qiwei Wang;Longlong Si;Zhen Zhang;Xiaoheng Liu et al., Engineering extracellular vesicles derived from endothelial cells sheared by laminar flow for anti-atherosclerotic therapy through reprogramming macrophage., (2025)
[PMID:39270628](https://pubmed.ncbi.nlm.nih.gov/39270628/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.