

CD68 (PT0547R) PT™ Rabbit mAb

CatalogNo: YM8367 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Mouse,Rat

Applications

- WB,IHC,IF,ELISA

MW

- 37kD (Calculated)
100kD (Observed)

Isotype

- IgG,Kappa

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:500-1:2000**WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000**

Basic Information

Clonality Monoclonal**Clone Number** PT0547R

Immunogen Information

Specificity Endogenous

Target Information

Gene name CD68
Protein Name Macrosialin

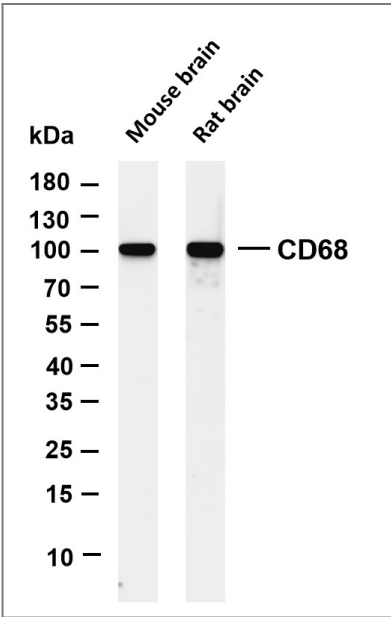
Organism	Gene ID	UniProt ID
Human	968 ;	P34810 ;
Mouse	12514 ;	P31996 ;

Cellular Localization Membrane

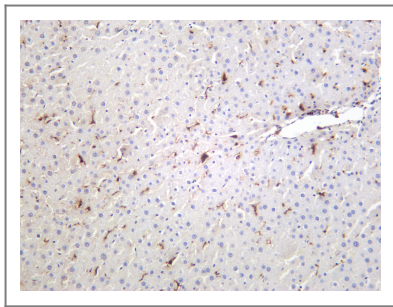
Tissue specificity Highly expressed by blood monocytes and tissue macrophages. Also expressed in lymphocytes, fibroblasts and endothelial cells. Expressed in many tumor cell lines which could allow them to attach to selectins on vascular endothelium, facilitating their dissemination to secondary sites.

Function Function:Could play a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions. Bind to tissue- and organ-specific lectins or selectins, allowing homing of macrophage subsets to particular sites. Rapid recirculation of CD68 from endosomes, lysosomes to the plasma membrane may allow macrophages to crawl over selectin bearing substrates or other cells.,PTM:N- and O-glycosylated.,similarity:Belongs to the LAMP family.,tissue specificity:Highly expressed by blood monocytes and tissue macrophages. Also expressed in many tumor cell lines which could allow them to attach to selectins on vascular endothelium, facilitating their dissemination to secondary sites.,

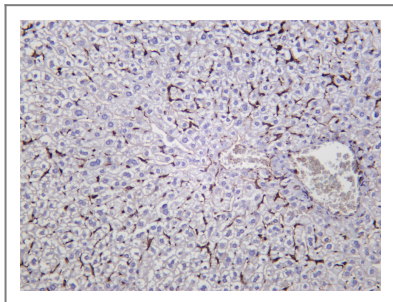
Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD68 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Mouse brain Lane 2: Rat brain Predicted band size: 37kDa Observed band size: 100kDa



Rat liver was stained with anti-CD68 rabbit antibody



Mouse liver was stained with anti-CD68 (PT0547R) Rabbit antibody

| Contact information

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