

CD36 Rabbit PolymAb®

Catalog No.: A28965PM

Basic Information

Observed MW

70-110 kDa

Calculated MW

32 kDa/46 kDa/48 kDa/53 kDa

Category

Primary antibody

Applications

WB,IF-F,IF-P,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

Enables lipoprotein particle binding activity; lipoteichoic acid immune receptor activity; and low-density lipoprotein particle receptor activity. Involved in several processes, including amyloid fibril formation; positive regulation of intracellular signal transduction; and regulation of biosynthetic process. Acts upstream of or within several processes, including phagocytosis; positive regulation of cytokine production; and response to bacterium. Located in several cellular components, including brush border membrane; external side of plasma membrane; and membrane raft. Is expressed in several structures, including axial skeleton; bone; connective tissue; hindlimb; and telencephalon. Used to study platelet-type bleeding disorder 10. Human ortholog(s) of this gene implicated in several diseases, including blood platelet disease (multiple); hemolytic-uremic syndrome; osteoarthritis; pulmonary tuberculosis; and type 2 diabetes mellitus. Orthologous to human CD36 (CD36 molecule (CD36 blood group)).

Recommended Dilutions

WB 1:2000 - 1:15000**IF-F** 1:200 - 1:800**IF-P** 1:200 - 1:800**IHC-P** 1:5000 - 1:15000

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

Immunogen Information

Gene ID

948/12491

Swiss Prot

P16671/Q08857

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

FAT; GPIV; Scarb3; BDPLT10; CHDS7; GP3B; GP4; PASIV; SCARB3

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

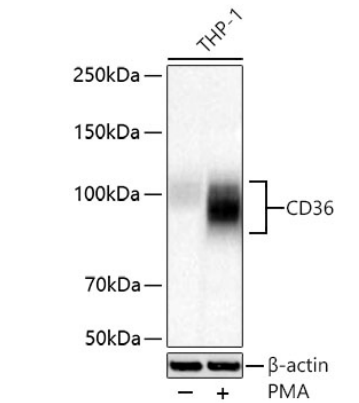
Contact

☎ | 400-999-6126

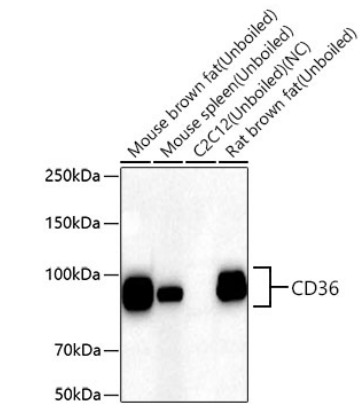
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

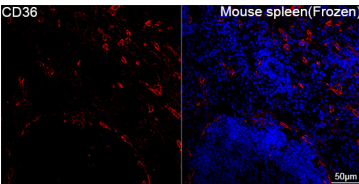
Validation Data



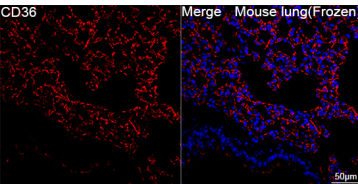
Western blot analysis of lysates from THP-1 cells using CD36 Rabbit PolymAb® (A28965PM) at 1:6000 dilution incubated overnight at 4°C. THP-1 cells were treated with PMA (80 nM) at 37°C for 72 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45 s.



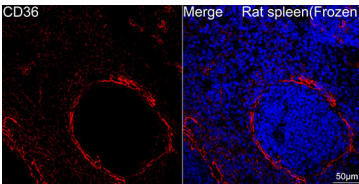
Western blot analysis of various lysates using CD36 Rabbit PolymAb® (A28965PM) at 1:6000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Negative control (NC): C2C12. Exposure time: 45 s.



Confocal imaging of frozen sections of Mouse spleen tissue using CD36 Rabbit PolymAb® (A28965PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

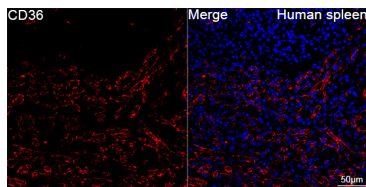


Confocal imaging of frozen sections of Mouse lung tissue using CD36 Rabbit PolymAb® (A28965PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

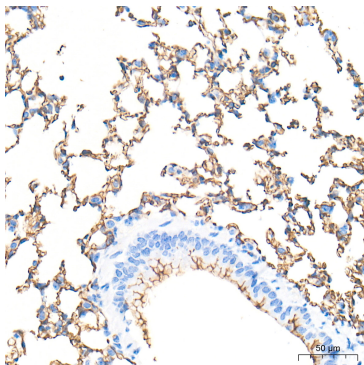


Confocal imaging of frozen sections of Rat spleen tissue using CD36 Rabbit PolymAb® (A28965PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

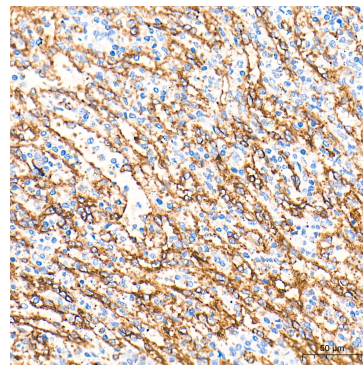
Validation Data



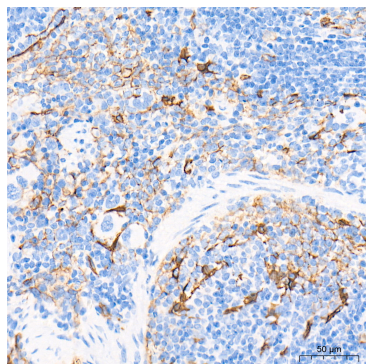
Confocal imaging of paraffin-embedded Human spleen tissue using CD36 Rabbit PolymAb® (A28965PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



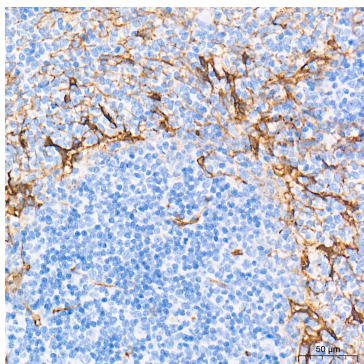
Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using CD36 Rabbit PolymAb® (A28965PM) at a dilution of 1:13000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using CD36 Rabbit PolymAb® (A28965PM) at a dilution of 1:13000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using CD36 Rabbit PolymAb® (A28965PM) at a dilution of 1:13000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using CD36 Rabbit PolymAb® (A28965PM) at a dilution of 1:13000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.