

Rabbit anti-Mouse, Rat CD68 Polyclonal Antibody | anti-CD68 antibody

CD68 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA280999	Rabbit	Mouse, Rat	Immunohistochemistry, Western Blot

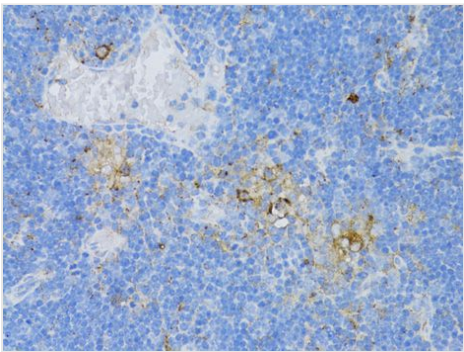
PRODUCT SYNONYMS

CD68; Polyclonal Antibody; CD68 Polyclonal Antibody; GP110; LAMP4; SCARD1; anti-CD68 antibody

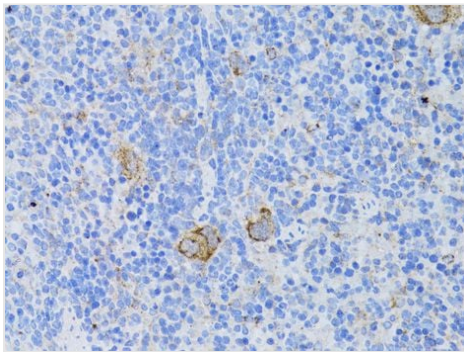
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence	NDCPHKKSAT LLPSFTVTPT VTESTGTTSH RTTKSHKTTT HRTTTTGTTT HGPTTATHNP TTTSHGNVTV HPTSNSTATS QGPSTATHSP ATTSHGNATV HPTSNSTATS PGFTSSAHPE PPPSPSPSP TSKETIGDYT WTNGSQPCVH LQAQIQIRVM YTTQGGGEAW GISVLNPNKT KVQGSCEGAH PHLLLSFPYG HLSFGFMQDL QQKVYLYSYM AVEYNVSFPH AAQWTFSAQN ASLRDLQAPL GQSFS
Sequence Length	327
Applicable Applications for anti-CD68 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human CD68
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Cell membrane, Endosome membrane, Lysosome membrane, Single-pass type I membrane protein, Single-pass type I membrane protein
Positive Samples	Mouse fat, Mouse skin, Rat skin
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

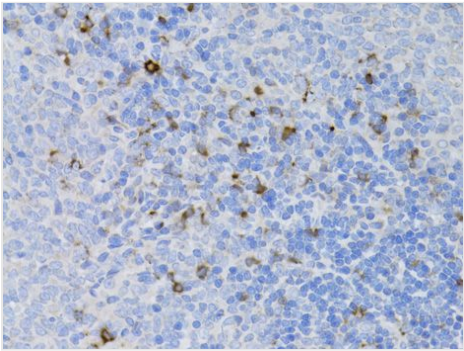
IMAGES



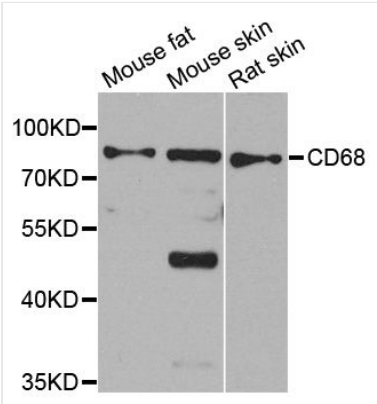
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse thymus using CD68 antibody at dilution of 1:50 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse spleen using CD68 antibody at dilution of 1:50 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat spleen using CD68 antibody at dilution of 1:50 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using CD68 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-CD68 antibody	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.
Product Categories/Family for anti-CD68 antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	91199550
NCBI GeneID	968
NCBI Accession #	NP_001035148.1
NCBI GenBank Nucleotide #	NM_001040059.1
UniProt Accession #	P34810 ; Q53HR6 ; Q53XI3 ; Q96BI7 ; B4DVT4
Molecular Weight	Calculated: 31kDa; 34kDa; 37kDa Observed: 85kDa

NCBI Official Full Name	macrosialin isoform B
NCBI Official Synonym Full Names	CD68 molecule
NCBI Official Symbol	CD68
NCBI Official Synonym Symbols	GP110; LAMP4; SCARD1
NCBI Protein Information	macrosialin
UniProt Protein Name	Macrosialin
UniProt Gene Name	CD68

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cd68-antibody-immunohistochemistry-western-blot-elisa/280999>