

Datasheet for ABIN3032259
anti-CD31 antibody (AA 508-536)



[Go to Product page](#)

3 Images

Overview

Quantity:	0.4 mL
Target:	CD31 (PECAM1)
Binding Specificity:	AA 508-536
Reactivity:	Mouse, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD31 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 508-536 from the mouse protein was used as the immunogen for this CD31 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	CD31 (PECAM1)
Alternative Name:	CD31 (PECAM1 Products)
Background:	Cell adhesion molecule which is required for leukocyte transendothelial migration (TEM) under most inflammatory conditions. Tyr-679 plays a critical role in TEM and is required for efficient trafficking of PECAM1 to and from the lateral border recycling compartment (LBRC) and is also

Target Details

essential for the LBRC membrane to be targeted around migrating leukocytes. Prevents phagocyte ingestion of closely apposed viable cells by transmitting 'detachment' signals, and changes function on apoptosis, promoting tethering of dying cells to phagocytes (the encounter of a viable cell with a phagocyte via the homophilic interaction of PECAM1 on both cell surfaces leads to the viable cell's active repulsion from the phagocyte. During apoptosis, the inside-out signaling of PECAM1 is somehow disabled so that the apoptotic cell does not actively reject the phagocyte anymore. The lack of this repulsion signal together with the interaction of the eat-me signals and their respective receptors causes the attachment of the apoptotic cell to the phagocyte, thus triggering the process of engulfment). Modulates BDKRB2 activation (By similarity). Induces susceptibility to atherosclerosis.

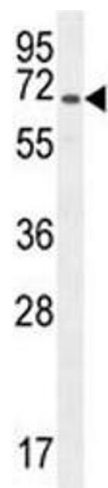
UniProt:	Q08481
Pathways:	Regulation of Actin Filament Polymerization

Application Details

Application Notes:	Titration of the CD31 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000
Restrictions:	For Research Use only

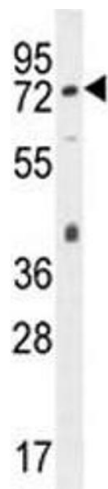
Handling

Format:	Liquid
Buffer:	In 1X PBS pH 7.4 with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the CD31 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



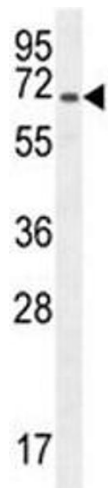
Western Blotting

Image 1. CD31 antibody western blot analysis in CHO lysate.



Western Blotting

Image 2. CD31 antibody western blot analysis in mouse bladder tissue lysate



Western Blotting

Image 3. CD31 antibody western blot analysis in CHO lysate.