

Product Datasheet

Anti-VCAM1 Antibody (orb402237)

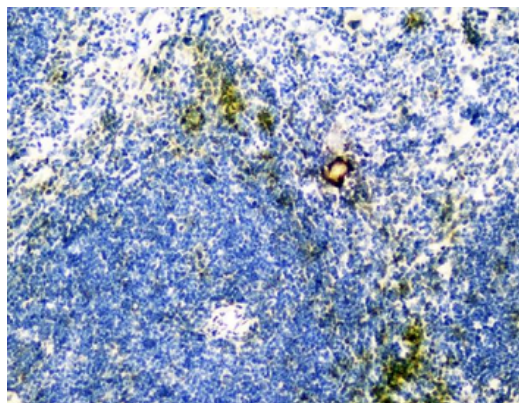
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|----------------------------|--|
| Description | Anti-VCAM1 Antibody. Tested in ELISA, IHC, WB applications. This antibody reacts with Mouse, Rat. |
| Species/Host | Rabbit |
| Reactivity | Mouse, Rat |
| Conjugation | Unconjugated |
| Tested Applications | ELISA, IHC, WB |
| Immunogen | E. coli-derived rat VCAM1 recombinant protein (Position: F25-L270). |
| Form/Appearance | Lyophilized |
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml. |
| Storage | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Note | For research use only |
| Application notes | Western blot, 0.1-0.5µg/ml Immunohistochemistry (Paraffin-embedded Section), 0.5-1µg/ml ELISA, 0.1-0.5µg/ml. Add 0.2ml of distilled water will yield a concentration of 500ug/ml |
| Isotype | Rabbit IgG |
| Clonality | Polyclonal |
| Antibody Type | Primary Antibody |
| MW | 110 kDa |
| Uniprot ID | P29534 |
| Expiration Date | 12 months from date of receipt. |

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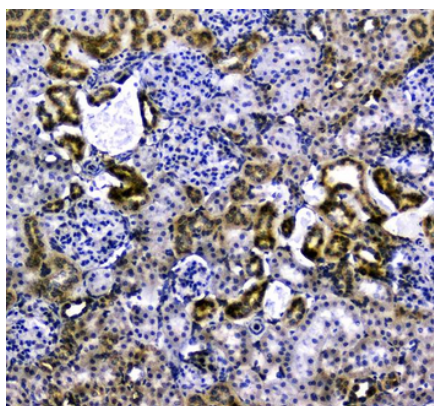
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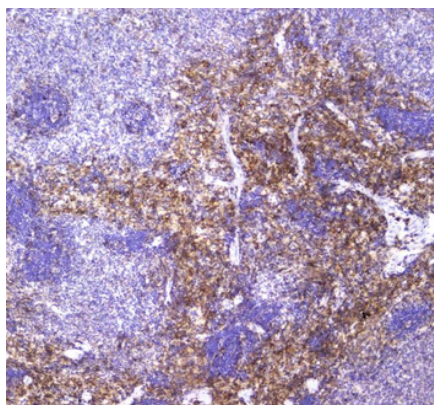
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IHC analysis of VCAM1 using anti-VCAM1 antibody. VCAM1 was detected in paraffin-embedded section of mouse spleen tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 µg/ml rabbit anti-VCAM1 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC analysis of VCAM1 using anti-VCAM1 antibody. VCAM1 was detected in paraffin-embedded section of rat kidney tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 µg/ml rabbit anti-VCAM1 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



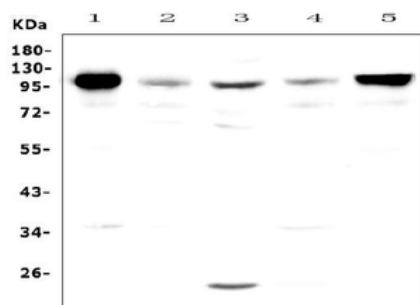
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Western blot analysis of VCAM1 using anti-VCAM1 antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50 ug of sample under reducing conditions. Lane 1: rat spleen tissue lysates, Lane 2: rat thymus tissue lysates, Lane 3: rat testis tissue lysates, Lane 4: rat kidney tissue lysates, Lane 5: rat lung tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-VCAM1 antigen affinity purified polyclonal antibody at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for VCAM1 at approximately 110KD. The expected band size for VCAM1 is at 81KD.

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