

Product Datasheet

CCL2/MCP1 Antibody - BSA Free NBP1-07034SS

Unit Size: 0.025 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-07034SS

CCL2/MCP1 Antibody - BSA Free

Product Information	
Unit Size	0.025 ml
Concentration	1.42 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS and 30% Glycerol
Target Molecular Weight	16 kDa
Product Description	
Description	Novus Biologicals Rabbit CCL2/MCP1 Antibody - BSA Free (NBP1-07034) is a polyclonal antibody validated for use in WB. Anti-CCL2/MCP1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6347
Gene Symbol	CCL2
Species	Human, Rat
Reactivity Notes	Mouse reactivity reported by a customer review.
Immunogen	Synthetic peptide made to an internal portion of rat MCP1 (within residues 30-80). [Swiss-Prot# P14844]
Product Application Details	
Applications	Western Blot, ICC/IF (Negative), Immunohistochemistry (Negative)
Recommended Dilutions	Western Blot 0.5 ug/ml, Immunohistochemistry (Negative), ICC/IF (Negative)
Application Notes	In Western blot, a band is seen at ~16 kDa. This antibody did not work in IHC with mouse tissue or in ICC.



Images

Western Blot: CCL2/MCP1 Antibody [NBP1-07034] - Analysis of recombinant mouse MCP1. Image provided via product review by verified customer.



Western Blot: CCL2/MCP1 Antibody [NBP1-07034] - Analysis of MCP1 in Hela whole cell lysates.



Publications

Wu Z, Liu Y, Huang J et al. MiR-206 inhibits epilepsy and seizure-induced brain injury by targeting CCL2 Cytotechnology 2019-06-26 [PMID: 31243650]

Altieri P, Bertolotto M, Fabbi P et al. Thrombin induces protease-activated receptor 1 signaling and activation of human atrial fibroblasts and dabigatran prevents these effects Int. J. Cardiol. 2018-05-23 [PMID: 29801760] (WB, Human)

Xiang S, Dong NG, Liu JP et al. Inhibitory effects of suppressor of cytokine signaling 3 on inflammatory cytokine expression and migration and proliferation of IL-6/IFN-gamma-induced vascular smooth muscle cells. J Huazhong Univ Sci Technolog Med Sci. 2013-10-01 [PMID: 24142708] (WB, Rat)

Procedures

Protocol specific for MCP1 Antibody (NBP1-07034)

CCL2/MCP1 Antibody:

Procedure Guide for NBP1-07034 - MCP-1 Antibody

Western Blot Protocol

1. Perform SDS-PAGE (4-12% MOPS) on samples to be analyzed, loading 40 ug of total protein per lane.
 2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.
 3. Rinse membrane with dH₂O and then stain the blot using Ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.
 4. Rinse the blot in TBS for approximately 5 minutes.
 5. Block the membrane using 5% NFD_M + 1% BSA in TBS + Tween, 1 hour at RT.
 6. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
 7. Dilute the rabbit anti-MCP-1 primary antibody (NBP1-07034) in blocking buffer and incubate 1 hour at room temperature.
 8. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
 9. Apply the diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
 10. Wash the blot in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each (this step can be repeated as required to reduce background).
 11. Apply the detection reagent of choice in accordance with the manufacturers instructions (Pierce ECL).
- Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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