

Product Datasheet

CCR7 Antibody (SR36-04)

NBP2-67324

Unit Size: 100 ul

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

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Publications: 2

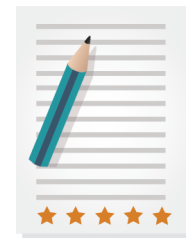
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NBP2-67324**CCR7 Antibody (SR36-04)**

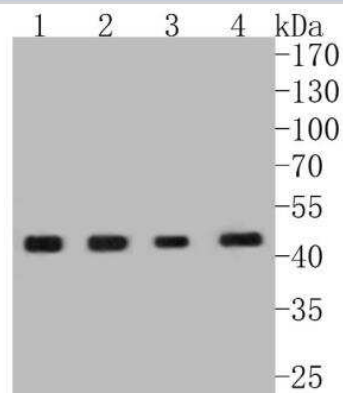
| Product Information | |
|---------------------|--|
| Unit Size | 100 ul |
| Concentration | 1 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | SR36-04 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG |
| Purity | Protein A purified |
| Buffer | TBS (pH7.4), 0.05% BSA, 40% Glycerol |

| Product Description | |
|---------------------|--|
| Host | Rabbit |
| Gene ID | 1236 |
| Gene Symbol | CCR7 |
| Species | Human, Mouse, Rat |
| Immunogen | Synthetic peptide within Human CCR7 aa 13-62 / 378. (SwissProt: P32248 Human; SwissProt: P47774 Mouse; Unigene:229736 Rat) |

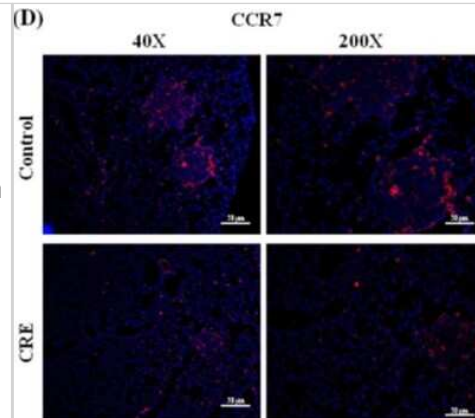
| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Knockdown Validated |
| Recommended Dilutions | Western Blot 1:500-1:5000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:200, Immunoprecipitation, Immunohistochemistry-Paraffin 1:200, Knockdown Validated |
| Application Notes | IP-Assay-dependent |

Images

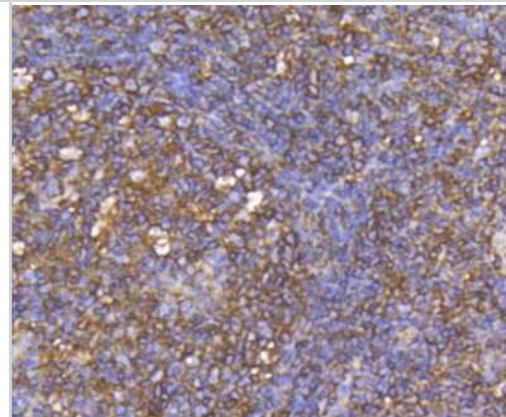
Western Blot: CCR7 Antibody (SR36-04) [NBP2-67324] - Analysis of CCR7 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: Jurkat cell lysate Lane 2: MCF-7 cell lysate Lane 3: PC-12 cell lysate Lane 4: Daudi cell lysate



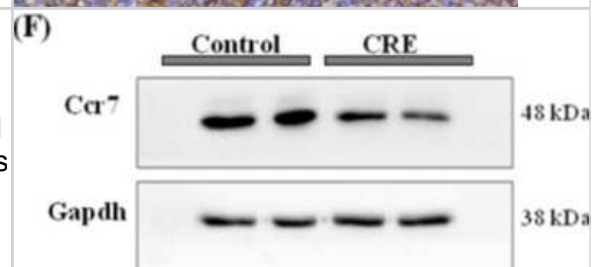
Immunocytochemistry/Immunofluorescence: CCR7 Antibody (SR36-04) [NBP2-67324] - Gross and histological appearance of lung excised from 13 weeks of age PyMT transgenic females. CRE treated PyMT transgenic females showed decreased frequency of mammary tumor-derived lung metastases. Immunohistochemistry staining against Ccr7 in lung tissues was done and representative images of tissue sections from each group were taken at 200X and 40X magnification. Scale bars = 50um. Histogram data was presented as mean +/- SEM. * $p < 0.05$ vs. control. Image collected and cropped by CiteAb from the following publication (<https://www.mdpi.com/2072-6643/11/2/410>), licensed under a CC-BY license.



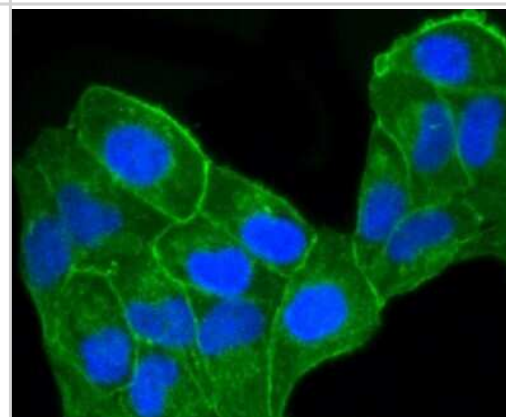
Immunohistochemistry-Paraffin: CCR7 Antibody (SR36-04) [NBP2-67324] - Analysis of paraffin-embedded human tonsil tissue using anti-CCR7 antibody. Counter stained with hematoxylin.



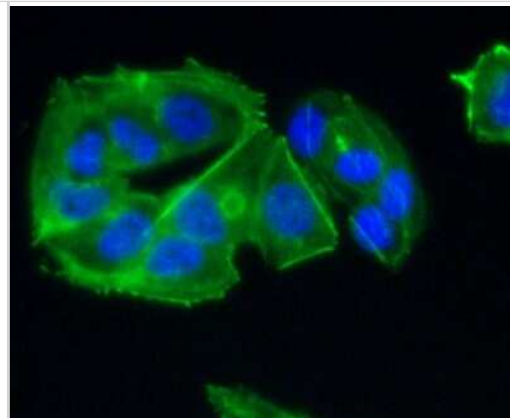
Western Blot: CCR7 Antibody (SR36-04) [NBP2-67324] - Gross and histological appearance of lung excised from 13 weeks of age PyMT transgenic females. CRE treated PyMT transgenic females showed decreased frequency of mammary tumor-derived lung metastases. Level of Ccr7 protein in lung tissues was analyzed by Western blot. Gapdh was used as an internal control. * $p < 0.05$ vs. control. Image collected and cropped by CiteAb from the following publication (<https://www.mdpi.com/2072-6643/11/2/410>), licensed under a CC-BY license.



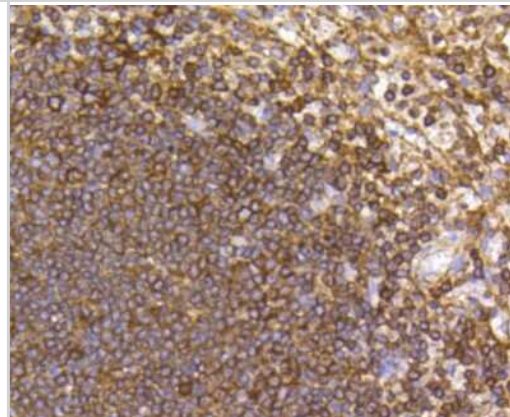
Immunocytochemistry/Immunofluorescence: CCR7 Antibody (SR36-04) [NBP2-67324] - Staining CCR7 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunocytochemistry/Immunofluorescence: CCR7 Antibody (SR36-04) [NBP2-67324] - Staining CCR7 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



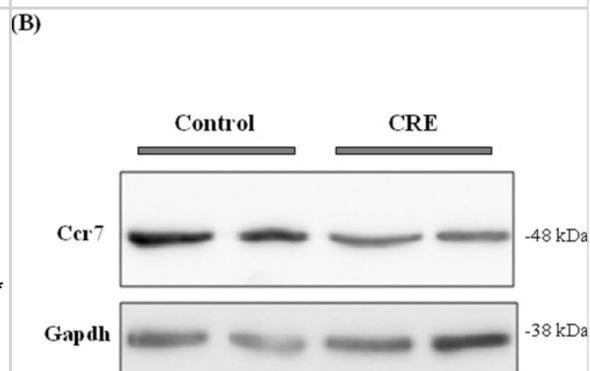
Immunohistochemistry-Paraffin: CCR7 Antibody (SR36-04) [NBP2-67324] - Analysis of paraffin-embedded human spleen tissue using anti-CCR7 antibody. Counter stained with hematoxylin.



Knockdown Validated: CCR7 Antibody (SR36-04) [NBP2-67324] - Downregulation of CCR7 gene by siRNA inhibits gene expression of MMP9, c-FOS, c-JUN and CCL21 in vitro. Western blot of proteins extracted from MCF7 cell against CCR7 and GAPDH. Image collected and cropped by CiteAb from the following publication (<https://www.mdpi.com/2072-6643/11/2/410>), licensed under a CC-BY license.



Western Blot: CCR7 Antibody (SR36-04) [NBP2-67324] - Curcuma extract treatment exhibited anti-metastatic effects on primary tumor of MMTV-PyMT transgenic mouse. (A) Quantitative analysis of real-time PCR was done using genes associated with breast cancer metastasis. The expression levels of Ccr7, c-Fos, Mmp9, Ccl21, & Ccl19 were determined by qRT-PCR. The Hprt gene was used as input control, respectively, * $p < 0.05$ & ** $p < 0.005$ vs. control. (B) Western blot of proteins extracted from tumor tissues in the PyMT transgenic model against Ccr7 & Gapdh. Histogram data was presented as mean \pm SEM. * $p < 0.05$ vs. control. (C) Western blot of proteins extracted from tumor tissues against Phosphorylated Akt, Phosphorylated Ampk, Her2, ERalpha, Gapdh & β -actin. (D) Quantitative analysis of real time PCR was done by using genes associated with apoptosis. The expression levels of Jun, Akt, & Tnf were determined by qRT-PCR. Data are representative of three independent experiments & are expressed as the mean \pm SD. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30781353>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Zhang D, Chen Q, Bi Y et al. Bio-inspired poly-DL-serine materials resist the foreign-body response Nature communications 2021-09-07 [PMID: 34493717] (IF/IHC, Mouse)

Kaya P, Lee SR, Lee YH et al. Curcuma Radix Extract Decreases Mammary Tumor-Derived Lung Metastasis via Suppression of C-C Chemokine Receptor Type 7 Expression Nutrients 2019-02-15 [PMID: 30781353] (IF/IHC, Mouse)





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Products Related to NBP2-67324

| | |
|---------------|---|
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |
| NBP2-57375PEP | CCR7 Recombinant Protein Antigen |

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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