

Product Datasheet

CXCR4 Antibody **NBP1-77560SS**

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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NBP1-77560SS

CXCR4 Antibody

| Product Information | |
|---------------------|--|
| Unit Size | 0.025 ml |
| Concentration | 1 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.05% Sodium Azide |
| Purity | Immunogen affinity purified |
| Buffer | Tris-glycine, 150 mM NaCl |

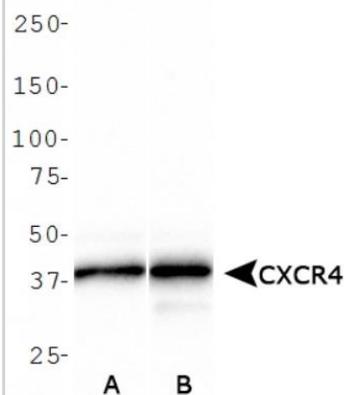
| Product Description | |
|---------------------|---|
| Host | Rabbit |
| Gene ID | 7852 |
| Gene Symbol | CXCR4 |
| Species | Human |
| Species Reactivity | Human. |
| Immunogen | A synthetic peptide made to a C-terminal portion of the human CXCR4 protein (between residues 300-352) [UniProt P61073] |

| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, Simple Western |
| Recommended Dilutions | Western Blot 2 ug/ml, Simple Western 1:25 |
| Application Notes | This CXCR4 antibody is useful for Western blot, where a band is seen ~45 kDa. In Simple Western only 10-15 uL of the recommended dilution is used per data point. |

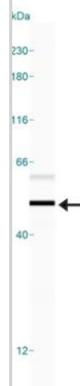


Images

Western Blot: CXCR4 Antibody [NBP1-77560] - WB analysis of CXCR4 in A. HeLa and B. A431 cell lysate.



Simple Western: CXCR4 Antibody [NBP1-77560] - Simple Western lane view shows a specific band for CXCR4 in 1.0 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Procedures

Protocol specific for CXCR4 antibody (NBP1-77560)

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-GLUT4 primary antibody (NBP1-49533) 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.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

