

# Product Datasheet

## LRP-4 Antibody (S207-27) - BSA Free NBP2-22416

Unit Size: 0.1 mg

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

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**NBP2-22416**

LRP-4 Antibody (S207-27) - BSA Free

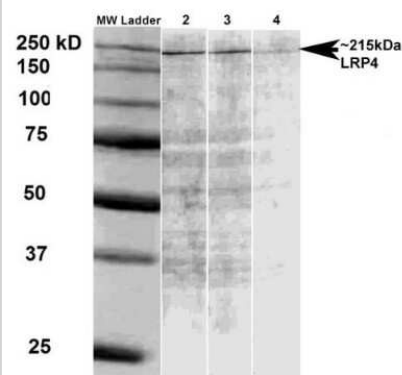
| Product Information |  |
|---------------------|--|
| Unit Size           | 0.1 mg   |
| Concentration       | 1 mg/ml  |
| Storage             | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality           | Monoclonal   |
| Clone               | S207-27  |
| Preservative        | 0.09% Sodium Azide   |
| Isotype             | IgG2a  |
| Purity              | Protein G purified   |
| Buffer              | PBS (pH 7.4), 50% Glycerol   |

| Product Description     |   |
|-------------------------|---|
| Description             | Novus Biologicals Mouse LRP-4 Antibody (S207-27) - BSA Free (NBP2-22416) is a monoclonal antibody validated for use in WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                    | Mouse   |
| Gene ID                 | 4038  |
| Gene Symbol             | LRP4  |
| Species                 | Human, Mouse, Rat   |
| Specificity/Sensitivity | Detects the extracellular domain of LRP4 approx 215kDa. Degradation product can be seen at approx 150kDa.   |
| Immunogen               | Fusion protein amino acids 26- 350 (extracellular N-terminus) of mouse LTP4   |

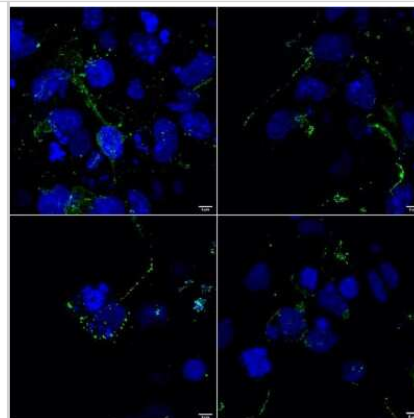
| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, Immunocytochemistry/ Immunofluorescence   |
| Recommended Dilutions       | Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence 1:100  |
| Application Notes           | 1 ug/ml of LRP4 (Extracellular) Antibody was sufficient for detection of LRP4 in 20 ug of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody. |

**Images**

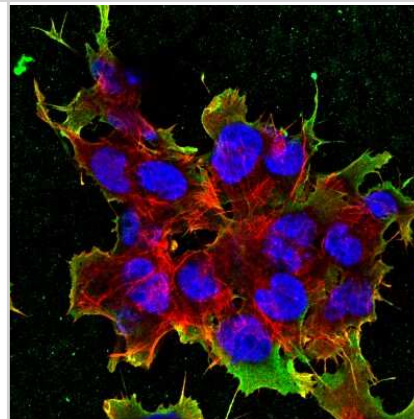
Western Blot: LRP-4 Antibody (S207-27) [NBP2-22416] - Western Blot analysis of Rat brain membrane lysate showing detection of LRP-4 protein using Mouse Anti-LRP-4 Monoclonal Antibody, Clone S207-27 (NBP2-22416). Primary Antibody: Mouse Anti-LRP-4 Monoclonal Antibody (NBP2-22416) at 1:500, 1:1000, and 1:2000.



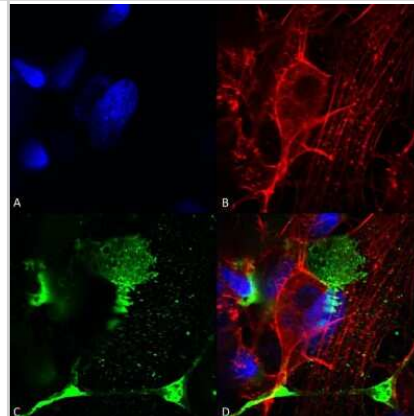
Immunocytochemistry/Immunofluorescence: LRP-4 Antibody (S207-27) [NBP2-22416] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-LRP-4 Monoclonal Antibody, Clone S207-27 (NBP2-22416). Tissue: COS cells transfected with 2 ug human LRP-4 plasmid. Species: Human. Fixation: 4% PFA for 10 min. Primary Antibody: Mouse Anti-LRP-4 Monoclonal Antibody (NBP2-22416) at 1:100 for 1 hour at RT. Secondary Antibody: Goat anti-mouse: Alexa 488. Counterstain: DAPI.



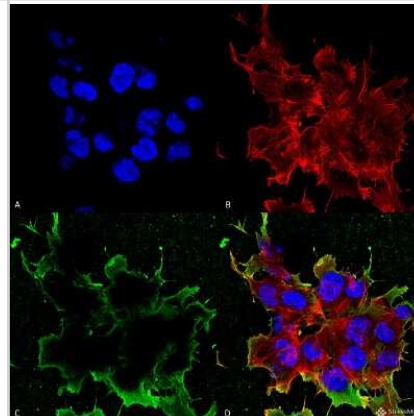
Immunocytochemistry/Immunofluorescence: LRP-4 Antibody (S207-27) [NBP2-22416] - Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-LRP4 (Extracellular) Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Membrane. Magnification: 60X.



Immunocytochemistry/Immunofluorescence: LRP-4 Antibody (S207-27) [NBP2-22416] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-LRP-4 (Extracellular) Monoclonal Antibody, Clone S207-27 (NBP2-22416). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-LRP-4 (Extracellular) Monoclonal Antibody (NBP2-22416) at 1:200 for overnight at 4C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) LRP-4 (Extracellular) Antibody (D) Composite.



Immunocytochemistry/Immunofluorescence: LRP-4 Antibody (S207-27) [NBP2-22416] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-LRP-4 (Extracellular) Monoclonal Antibody, Clone S207-27 (NBP2-22416). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-LRP-4 (Extracellular) Monoclonal Antibody (NBP2-22416) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Membrane. Magnification: 60X. (A) DAPI (blue) nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) LRP-4 (Extracellular) Antibody. (D) Composite.





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### **Products Related to NBP2-22416**

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|             |  |
|-------------|--|
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP]                |
| HAF007      | Goat anti-Mouse IgG Secondary Antibody [HRP]       |
| NB7539      | Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP] |
| NBP1-96778  | Mouse IgG2a Isotype Control (M2A)                  |

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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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