

# Product Datasheet

## LAR/PTPRF Antibody (S165-38) - BSA Free NBP2-42172

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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Updated 9/9/2025 v.20.1

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**NBP2-42172**

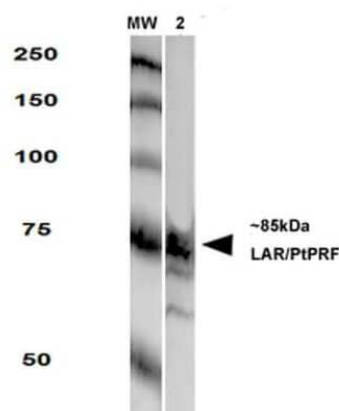
LAR/PTPRF Antibody (S165-38) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	S165-38
<b>Preservative</b>	0.1% Sodium Azide
<b>Isotype</b>	IgG2a
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS (pH 7.4), 50% Glycerol
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse LAR/PTPRF Antibody (S165-38) - BSA Free (NBP2-42172) is a monoclonal antibody validated for use in WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	5792
<b>Gene Symbol</b>	PTPRF
<b>Species</b>	Human, Mouse, Rat
<b>Specificity/Sensitivity</b>	Greater than 80% identity with PTPRD and PTPRS. Greater than 50% identity with PTPRM and PTPRK. Detects approx 85kDa (full length protein is 210 kDa - smaller due to proteolysis into P-subunit containing transmembrane and intracellular domains.
<b>Immunogen</b>	Fusion protein amino acids 1315-1607 (cytoplasmic C-terminus) of human LAR. 97% identical in both rat and mouse. >80% identity with PTPRD and PTPRS. >50% identity with PTPRM and PTPRK.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence
<b>Application Notes</b>	1 ug/ml of LAR/PTPRF Antibody was sufficient for detection of LAR/PTPRF in 20 ug of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.

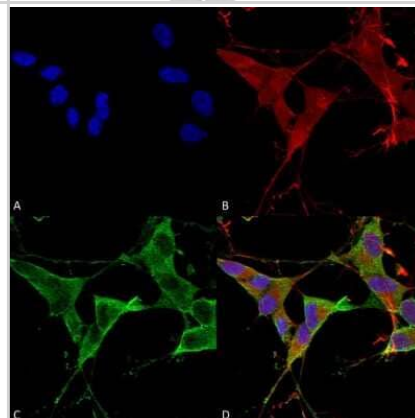


## Images

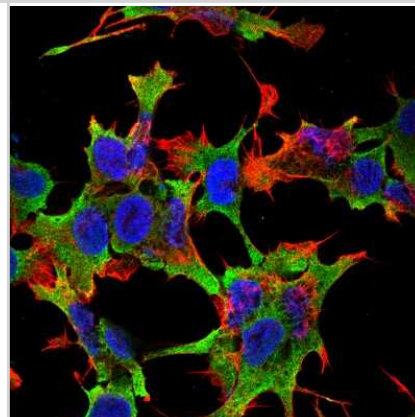
Western Blot: LAR/PTPRF Antibody (S165-38) [NBP2-42172] - Western Blot analysis of Rat Brain Membrane showing detection of LAR/PTPRF protein using Mouse Anti-LAR/PTPRF Monoclonal Antibody, Clone S165-38 (NBP2-42172). Primary Antibody: Mouse Anti-LAR/PTPRF Monoclonal Antibody (NBP2-42172) at 1:250.



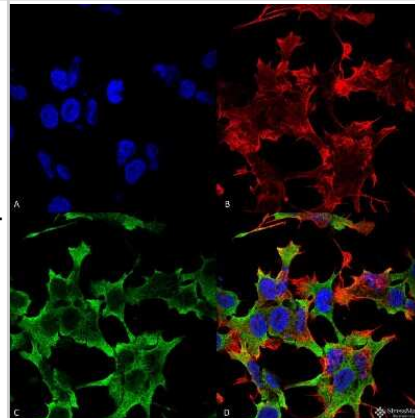
Immunocytochemistry/Immunofluorescence: LAR/PTPRF Antibody (S165-38) [NBP2-42172] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-LAR/PTPRF/PTPRF Monoclonal Antibody, Clone S165-38 (NBP2-42172). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-LAR/PTPRF/PTPRF Monoclonal Antibody (NBP2-42172) at 1:100 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) LAR/PTPRF/PTPRF Antibody (D) Composite.



Immunocytochemistry/Immunofluorescence: LAR/PTPRF Antibody (S165-38) [NBP2-42172] - Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-LAR/PTPRF 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: LAR/PTPRF Antibody (S165-38) [NBP2-42172] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-LAR/PTPRF/PTPRF Monoclonal Antibody, Clone S165-38 (NBP2-42172). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-LAR/PTPRF/PTPRF Monoclonal Antibody (NBP2-42172) 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) LAR/PTPRF/PTPRF Antibody. (D) Composite.





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### **Products Related to NBP2-42172**

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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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