

Product Datasheet

LMX1A Antibody - BSA Free

NBP2-41193

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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NBP2-41193

LMX1A Antibody - 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	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	42 kDa

Product Description

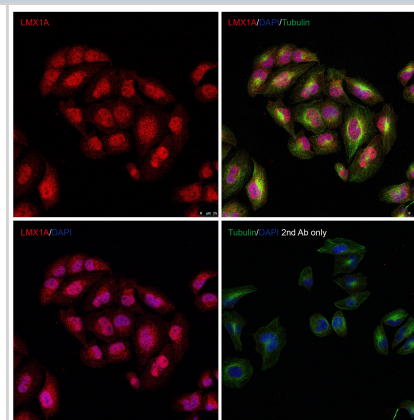
Host	Rabbit
Gene ID	4009
Gene Symbol	LMX1A
Species	Human, Mouse, Rat
Specificity/Sensitivity	At least two isoforms are known to exist. This antibody is predicted to not cross-react with LMX1B.
Immunogen	Antibody was raised against a 16 amino acid peptide near the carboxy terminus of human LMX1A. The immunogen is located within amino acids 300 - 350 of LMX1A. Amino Acid Sequence: CPQMPGDHMHYPYGAEL

Product Application Details

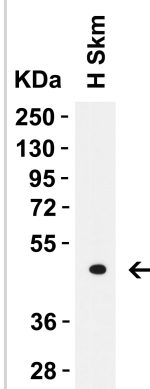
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1 - 2 ug/mL, ELISA, Immunohistochemistry 2.5 ug/mL, Immunocytochemistry/ Immunofluorescence 20 ug/mL, Immunohistochemistry-Paraffin 2.5 ug/ml

Images

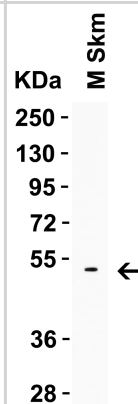
Immunocytochemistry/ Immunofluorescence: LMX1A Antibody - BSA Free [NBP2-41193] - Validation of LMX1A in HeLa Cells. Immunofluorescent analysis of methanol-fixed HeLa cells labeling LMX1A at 10 u/mL, followed by goat anti-rabbit IgG secondary antibody at 1/1000 dilution (red) and DAPI staining (blue). Alpha tubulin was stained with anti-alpha tubulin antibody followed by goat anti-mouse IgG secondary antibody (green). Images were captured with confocal microscopy.



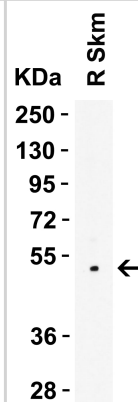
Western Blot: LMX1A Antibody - BSA Free [NBP2-41193] - Validation in Human Skeletal Muscle. Loading: 10 ul of lysates per lane. Antibodies: LMX1A, 1 u/mL, 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



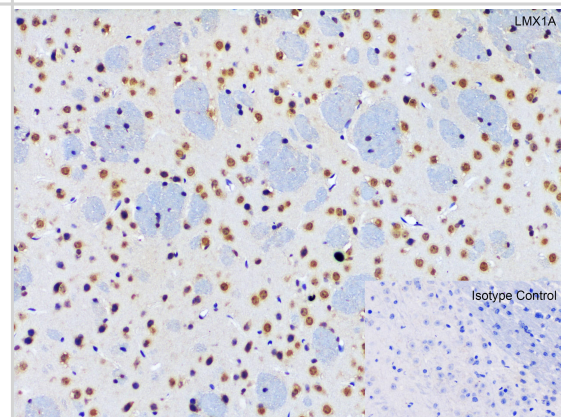
Western Blot: LMX1A Antibody - BSA Free [NBP2-41193] - Validation in Mouse Skeletal Muscle. Loading: 10 ul of lysates per lane. Antibodies: LMX1A, 1 u/mL, 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot: LMX1A Antibody - BSA Free [NBP2-41193] - Validation in Rat Skeletal Muscle. Loading: 10 u of lysates per lane. Antibodies: LMX1A, 1 u/mL, 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.

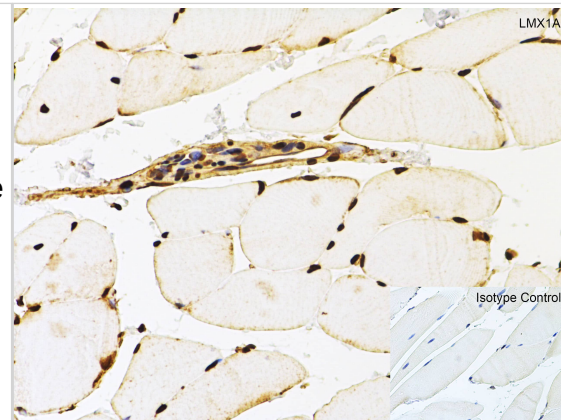


Immunohistochemistry: LMX1A Antibody - BSA Free [NBP2-41193] - Validation of LMX1A in Mouse Brain Tissue. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-LMX1A antibody at 2 u/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

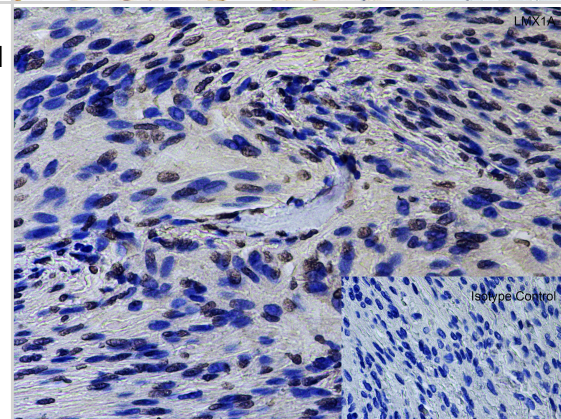


Immunohistochemistry: LMX1A Antibody - BSA Free [NBP2-41193] - Validation of LMX1A in Rat Skeletal Muscle Tissue.

Immunohistochemical analysis of paraffin-embedded rat spleen tissue using anti-LMX1A antibody at 5 u/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Immunohistochemistry: LMX1A Antibody - BSA Free [NBP2-41193] - Validation of LMX1A in Human Brain Meningioma. Immunohistochemical analysis of paraffin-embedded human brain meningioma using anti-LMX1A antibody at 2 u/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Publications

El-Mezayen NS, Attia MM, Shafik MY et al. Reactive astrocytes targeting with oral vitamin A: Efficient neuronal regeneration for Parkinson's disease treatment and reversal of associated liver fibrosis CNS neuroscience & therapeutics 2023-03-22 [PMID: 36949616] (WB, Rat)

Jacob F, Pather SR, Huang WK et al. Human Pluripotent Stem Cell-Derived Neural Cells and Brain Organoids Reveal SARS-CoV-2 Neurotropism Predominates in Choroid Plexus Epithelium Cell Stem Cell 2020-09-21 [PMID: 33010822]



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Products Related to NBP2-41193

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00004009-P01-10ug	Recombinant Human LMX1A GST (N-Term) Protein

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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