

Product Datasheet

NKX2.2 Antibody - BSA Free

NBP1-82554

Unit Size: 0.1 ml

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

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NBP1-82554

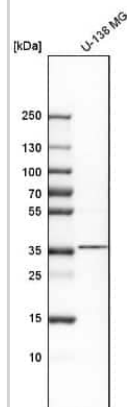
NKX2.2 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
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	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	30 kDa
Product Description	
Host	Rabbit
Gene ID	4821
Gene Symbol	NKX2-2
Species	Human, Mouse, Feline
Reactivity Notes	Feline, Mouse reactivity reported from verified customer reviews.
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SLTNTKTGFSVKDILDLPDTNDEEGSVAEGPEEENEGPEPAKRAGPLGQGALD AVQSLPLKNPFYDSSDNPYTRWLASTEGLQYSLHGLAAGAPPQDSSSKSPEP SADESPDNDKETP
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Knockout Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence Validated from verified customer review., Immunohistochemistry-Paraffin 1:50 - 1:200, Immunohistochemistry-Frozen Validated from verified customer review., Knockout Validated Validated (bioRxiv Jan 1 2020)
Application Notes	IHC-Paraffin, HIER pH 6 retrieval is recommended.

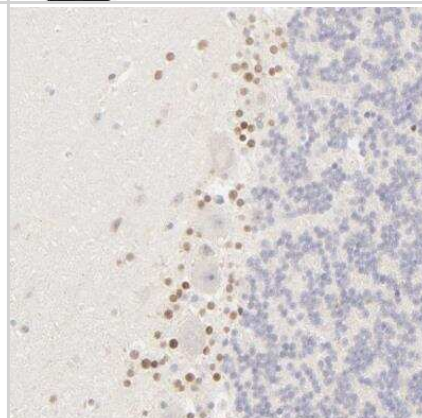


Images

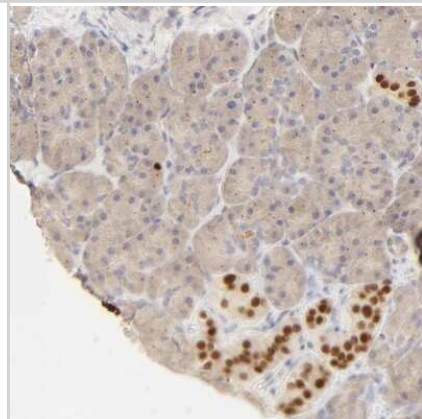
Western Blot: NKX2.2 Antibody [NBP1-82554] - Analysis in human cell line U-138 MG.



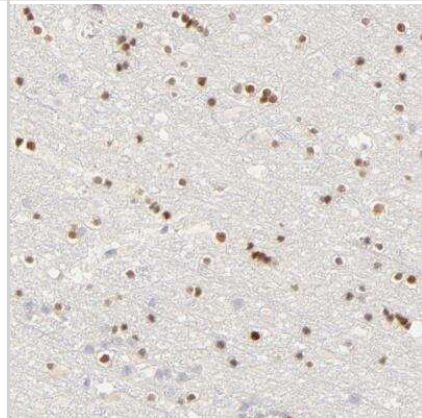
Immunohistochemistry-Paraffin: NKX2.2 Antibody [NBP1-82554] - Staining of human cerebellum shows moderate positivity in cells in molecular layer.



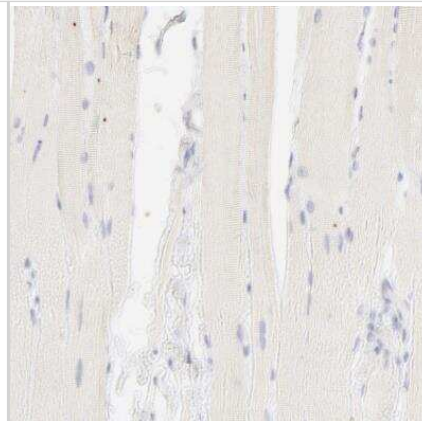
Immunohistochemistry-Paraffin: NKX2.2 Antibody [NBP1-82554] - Staining of human pancreas shows strong nuclear positivity in islet cells.



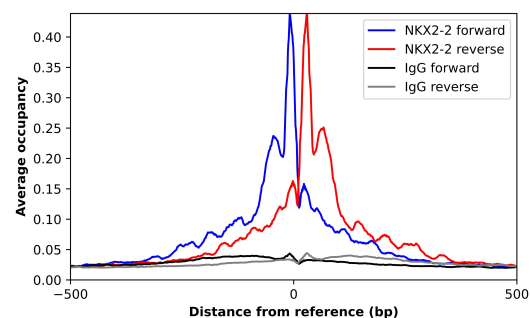
Immunohistochemistry-Paraffin: NKX2.2 Antibody [NBP1-82554] - Staining of human cerebral cortex shows strong nuclear positivity in glial cells.



Immunohistochemistry-Paraffin: NKX2.2 Antibody [NBP1-82554] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



ChIP-Exo-Seq composite graph for Anti-NKX2.2 tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.



Publications

Hall ET, Dillard ME, Cleverdon ER, Zhang Y et al. Cytoneme signaling provides essential contributions to mammalian tissue patterning *Cell* 2024-01-03 [PMID: 38171360]

Fujikawa T, Uemura S, Yoshida M et al. Spindle cell sarcoma with KIAA1549 BRAF resembling infantile fibrosarcoma morphologically: A case report and literature review *Oncology Letters* 2022-11-01 [PMID: 36380878] (IHC-P, Human)

Hall ET, Stewart DP, Dillard M et al. Myosin 10 and a Cytoneme-Localized Ligand Complex Promote Morphogen Transport *bioRxiv* 2020-01-01 (KO, IF/IHC, Mouse)

Lawson MH, Cummings NM, Rassl DM et al Two novel determinants of EPE resistance in small cell lung cancer *Cancer Res* 2011-07-01 [PMID: 21642373]

Pasquali L, Gaulton KJ, Rodriguez-Segui SA et al. Pancreatic islet enhancer clusters enriched in type 2 diabetes risk-associated variants. *Nat Genet* 2014-02-01 [PMID: 24413736]

Fiori JL, Shin YK, Kim W et al. Resveratrol Prevents beta-cell Dedifferentiation in Non-Human Primates Given a High Fat/ High Sugar Diet. *Diabetes* 2013-07-24 [PMID: 23884882]



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Products Related to NBP1-82554

NBP1-82554PEP	NKX2.2 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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