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Mouse Noto Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21141a

Specification

Mouse Noto Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q5TIS6
Reactivity	**Mouse**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**26322**
Antigen Region	**200-234**

Mouse Noto Antibody (C-term) - Additional Information

Gene ID 384452

Other Names
Homeobox protein notochord, Noto, Not

Target/Specificity
This Mouse Noto antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 200-234 amino acids from the C-terminal region of Mouse Noto.

Dilution
WB~~1:4000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Mouse Noto Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Noto Antibody (C-term) - Protein Information

Name Noto

Synonyms Not

Function Transcription factor that controls node morphogenesis (PubMed:15231714, PubMed:17884984, PubMed:18061569, PubMed:22357932). Acts downstream of both FOXA2 and Brachyury (T) during notochord development (PubMed:15231714). Is essential for cilia formation in the posterior notochord (PNC) and for left-right patterning; acts upstream of FOXJ1 and RFX3 in this process and is required for the expression of various components important for axonemal assembly and function (PubMed:17884984). Plays a role in regulating axial versus paraxial cell fate (PubMed:18061569). Activates the transcription of ciliary proteins C11orf97 homolog, FAM183B and SPACA9 in the embryonic ventral node (PubMed:27914912).

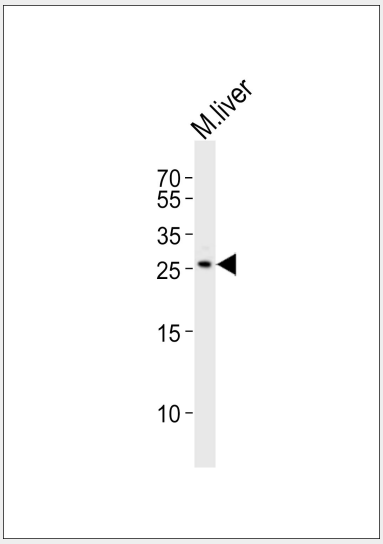
Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

Mouse Noto Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mouse Noto Antibody (C-term) - Images



Western blot analysis of lysate from mouse liver tissue lysate, using Noto Antibody (C-term)(Cat. #AP21141a). AP21141a was diluted at 1:2000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

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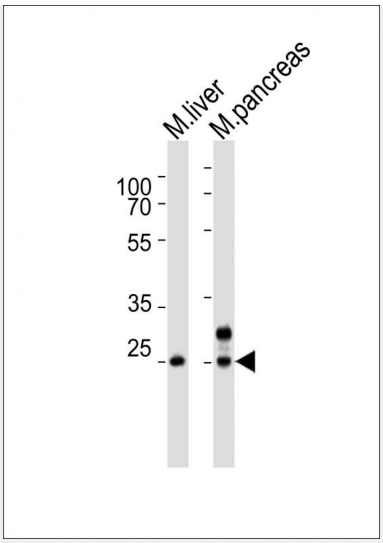

Western blot analysis of lysates from mouse liver, mouse pancreas tissue lysate (from left to right), using Noto Antibody (C-term)(Cat. #AP21141a). AP21141a was diluted at 1:4000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

Mouse Noto Antibody (C-term) - Background

Transcription regulator acting downstream of both FOXA2 and T during notochord development. Required for node morphogenesis. Is essential for cilia formation in the posterior notochord (PNC) and for left-right patterning; acts upstream of FOXJ1 and RFX3 in this process and is required for the expression of various components important for axonemal assembly and function. Plays a role in regulating axial versus paraxial cell fate.

Mouse Noto Antibody (C-term) - References

Ben Abdelkhalek H.,et al.Genes Dev. 18:1725-1736(2004).
Carninci P.,et al.Science 309:1559-1563(2005).
Yamanaka Y.,et al.Dev. Cell 13:884-896(2007).
Beckers A.,et al.Proc. Natl. Acad. Sci. U.S.A. 104:15765-15770(2007).