

Mouse Noto Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21141a

Product Information

Application WB, E **Primary Accession Q5TIS6** Reactivity Mouse Host Rabbit Clonality polyclonal Isotype Rabbit IgG **Clone Names** RB51261 **Calculated MW** 26322

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.

Protein Information

Name Noto

Synonyms Not

Function Transcription factor that controls node morphogenesis (PubMed: <u>15231714</u>,

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}.

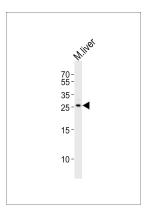
Background

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.

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).

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.