

RFX3 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12626b**Specification**

RFX3 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P48380
Other Accession	Q4R3I8 , NP_002910.1 , NP_602304.1
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	83530
Antigen Region	661-690

RFX3 Antibody (C-term) - Additional Information**Gene ID** 5991**Other Names**

Transcription factor RFX3, Regulatory factor X 3, RFX3

Target/Specificity

This RFX3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 661-690 amino acids from the C-terminal region of human RFX3.

Dilution

WB~~1:1000

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

RFX3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RFX3 Antibody (C-term) - Protein Information**Name** RFX3**Function** Transcription factor required for ciliogenesis and islet cell differentiation during

endocrine pancreas development. Essential for the differentiation of nodal monocilia and left-right asymmetry specification during embryogenesis. Required for the biogenesis of motile cilia by governing growth and beating efficiency of motile cells. Also required for ciliated ependymal cell differentiation. Regulates the expression of genes involved in ciliary assembly (DYNC2LI1, FOXJ1 and BBS4) and genes involved in ciliary motility (DNAH11, DNAH9 and DNAH5) (By similarity). Together with RFX6, participates in the differentiation of 4 of the 5 islet cell types during endocrine pancreas development, with the exception of pancreatic PP (polypeptide-producing) cells. Regulates transcription by forming a heterodimer with another RFX protein and binding to the X-box in the promoter of target genes (PubMed:[20148032](#)). Represses transcription of MAP1A in non-neuronal cells but not in neuronal cells (PubMed:[12411430](#)).

Cellular Location

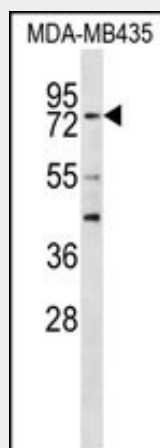
Nucleus.

RFX3 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 Cytometry](#)
- [Cell Culture](#)

RFX3 Antibody (C-term) - Images



RFX3 Antibody (C-term) (Cat. #AP12626b) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the RFX3 antibody detected the RFX3 protein (arrow).

RFX3 Antibody (C-term) - Background

This gene is a member of the regulatory factor X gene family, which encodes transcription factors that contain a highly-conserved winged helix DNA binding domain. The protein encoded by this gene is structurally related to regulatory factors X1, X2, X4, and X5. It is a transcriptional activator that can bind DNA as a monomer or as a heterodimer with other RFX family members.

Two transcript variants encoding different isoforms have been described for this gene, and at least one of the variants utilizes alternative polyadenylation signals.

RFX3 Antibody (C-term) - References

El Zein, L., et al. J. Cell. Sci. 122 (PT 17), 3180-3189 (2009) :
Humphray, S.J., et al. Nature 429(6990):369-374(2004)
Maijgren, S., et al. Arch. Dermatol. Res. 295(11):482-489(2004)
Nakayama, A., et al. J. Biol. Chem. 278(1):233-240(2003)
Morotomi-Yano, K., et al. J. Biol. Chem. 277(1):836-842(2002)