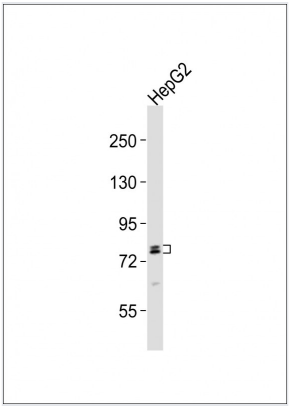
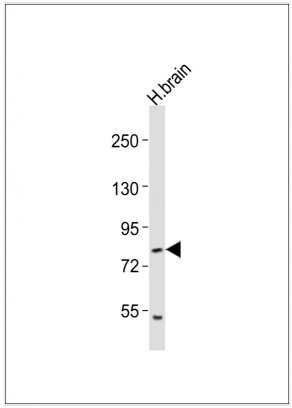
RFX4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RFX4, Polyclonal Antibody
Full Product Name	RFX4 Antibody (C-term)
Product Gene Name	anti-RFX4 antibody
Product Synonym Names	Transcription factor RFX4; Regulatory factor X 4; Testis development protein NYD-SP10; RFX4
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/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.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.5 (lot specific)
Specificity	This RFX4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 684-720 amino acids from the C-terminal region of human RFX4.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	RFX4 peptide (MBS9230002) is used for blocking the activity of RFX4 antibody (MBS9214644)
Molecular Weight	83368
OMIM	603958
3D Structure	ModBase 3D Structure for Q33E94
Antigen Source	HUMAN
Product Categories/Family for anti-RFX4 antibody	Neuroscience
Applications Tested/Suitable for anti-RFX4 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-RFX4 antibody	WB~~1:2000
Related Product Information for anti-RFX4 antibody	MBS9214644 is an antibody targeting RFX4. Also known as RFX4 Antibody (C-term). Reactive in Human. Host: Rabbit. May activate transcription by interacting directly with the X-box.
Product References and Citations for anti-RFX4 antibody	Blackshear P.J.,et al.Development 130:4539-4552(2003). Matsushita H.,et al.Cancer Sci. 96:801-809(2005). Huang X.,et al.J. Nanosci. Nanotechnol. 5:1236-1239(2005). Ota T.,et al.Nat. Genet. 36:40-45(2004). Scherer S.E.,et al.Nature 440:346-351(2006).
Other Notes	Small volumes of anti-RFX4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-RFX4 antibody
Anti-RFX4 Antibody (C-term)at 1:2000 dilution + HepG2 whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 83 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Western Blot (WB) of anti-RFX4 antibody
Anti-RFX4 Antibody (C-term)at 1:2000 dilution + human brain lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 83 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RFX4. It may not necessarily be applicable to this product.

NCBI GI #	331999966
NCBI GeneID	5992
NCBI Accession #	NP_001193620.1
UniProt Primary Accession #	Q33E94
UniProt Secondary Accession #	Q33DW6; Q33DW7; Q33E95; Q6YM53; Q8MHQ1; Q8NC78; Q8NDF9; Q8SNA1; Q96S80; A8K5Y0; B2RDW4
UniProt Related Accession #	Q33E94
GenBank Nucleotide #	NM_001206691.1
NCBI Official Full Name	transcription factor RFX4 isoform d
NCBI Official Synonym Full Names	regulatory factor X, 4 (influences HLA class II expression)
NCBI Official Symbol	RFX4
NCBI Official Synonym Symbols	NYD-SP10
UniProt Protein Name	Transcription factor RFX4
UniProt Synonym Protein Names	Regulatory factor X 4; Testis development protein NYD-SP10
Protein Family	Transcription factor
UniProt Gene Name	RFX4
UniProt Entry Name	RFX4_HUMAN
NCBI Protein Information	transcription factor RFX4
NCBI Summary for RFX4	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, X3, and X5. It has been shown to interact with itself as well as with regulatory factors X2 and X3, but it does not interact with regulatory factor X1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2011]

UniProt Comments for RFX4	RFX4: May activate transcription by interacting directly with the X-box. Belongs to the RFX family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding Chromosomal Location of Human Ortholog: 12q24 Cellular Component: nucleus Molecular Function: protein binding; chromatin binding; transcription factor activity Biological Process: regulation of transcription from RNA polymerase II promoter; dorsal spinal cord development; telencephalon development; cerebellar cortex morphogenesis; transcription, DNA-dependent; midbrain development; cilium biogenesis; positive regulation of transcription from RNA polymerase II promoter; negative regulation of smoothened signaling pathway in ventral spinal cord patterning
Research Articles on RFX4	**1.** Observational study and genome-wide association study of gene-disease association. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/rfx4/9214644