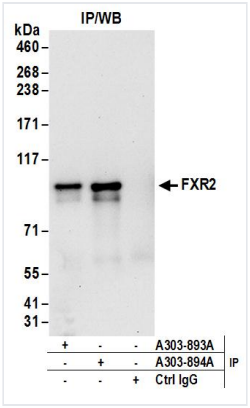
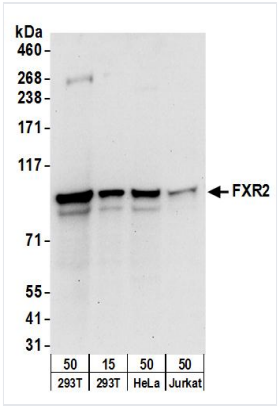
FXR2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FXR2, Polyclonal Antibody
Full Product Name	Rabbit anti-FXR2 Antibody, Affinity Purified
Product Gene Name	anti-FXR2 antibody
Product Synonym Names	FMR1L2; fragile X mental retardation syndrome-related protein 2; fragile X mental retardation, autosomal homolog 2; fragile X-mental retardation 1-like 2; FXR2P; Fragile X mental retardation syndrome-related protein 2; FMR1 autosomal homolog 2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	1000ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
Molecular Weight	74,223 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (7494548..7518215, complement). Location: 17p13.1
OMIM	605339
3D Structure	ModBase 3D Structure for P51116
Immunogen	Between 623 and C-terminus
Conjugation	Unconjugated
Product Categories/Family for anti-FXR2 antibody	Primary Antibodies
Applications Tested/Suitable for anti-FXR2 antibody	Western Blot (WB), Immunoprecipitation (IP)
Application Notes for anti-FXR2 antibody	WB: 1:2000-1:10,000 IP: 6ug/mg lysate
Related Product Information for anti-FXR2 antibody	FXR2 is a RNA binding protein containing two KH domains and one RCG box, which is similar to FMRP and FXR1. It associates with polyribosomes, predominantly with 60S large ribosomal subunits. FXR2 may self-associate or interact with FMRP and FXR1. It may have a role in the development of fragile X mental retardation syndrome [taken from NCBI Entrez Gene (Gene ID: 8087)].
Other Notes	Small volumes of anti-FXR2 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.
Searchable Terms for FXR2 purchase	MBS3904136 is an antibody targeting FXR2. Also known as Rabbit anti-FXR2 Antibody, Affinity Purified. Reactive in Human. Host: Rabbit.



Immunoprecipitation (IP) of anti-FXR2 antibody
Detection of human FXR2 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from HEK293T cells. Antibodies: Affinity purified rabbit anti-FXR2 antibody MBS3904136 (lot MBS3904136-1) used for IP at 6 ug/mg lysate. FXR2 was also immunoprecipitated by rabbit anti-FXR2 antibody MBS3904137. For blotting immunoprecipitated FXR2, MBS3904136 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Western Blot (WB) of anti-FXR2 antibody
Detection of human FXR2 by western blot. Samples: Whole cell lysate from HEK293T (15 and 50 ug), HeLa (50ug), and Jurkat (50ug) cells. Antibodies: Affinity purified rabbit anti-FXR2 antibody MBS3904136 (lot MBS3904136-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FXR2. It may not necessarily be applicable to this product.

NCBI GI #	259013556
NCBI GeneID	9513
NCBI Accession #	NP_004851.2
UniProt Primary Accession #	P51116
UniProt Secondary Accession #	Q86V09; Q8WUM2; B2R9M2; D3DTQ1
UniProt Related Accession #	P51116
GenBank Nucleotide #	NM_004860.3
NCBI Official Full Name	fragile X mental retardation syndrome-related protein 2
NCBI Official Synonym Full Names	fragile X mental retardation, autosomal homolog 2
NCBI Official Symbol	FXR2
NCBI Official Synonym Symbols	FXR2P; FMR1L2
UniProt Protein Name	Fragile X mental retardation syndrome-related protein 2
Protein Family	Fragile X mental retardation syndrome-related protein
UniProt Gene Name	FXR2
UniProt Synonym Gene Names	FMR1L2
UniProt Entry Name	FXR2_HUMAN
NCBI Protein Information	fragile X mental retardation syndrome-related protein 2; fragile X-mental retardation 1-like 2
NCBI Summary for FXR2	The protein encoded by this gene is a RNA binding protein containing two KH domains and one RCG box, which is similar to FMRP and FXR1. It associates with polyribosomes, predominantly with 60S large ribosomal subunits. This encoded protein may self-associate or interact with FMRP and FXR1. It may have a role in the development of fragile X mental retardation syndrome. [provided by RefSeq, Jul 2008]

UniProt Comments for FXR2	FXR2: RNA-binding protein. Interacts with FMR1 and FXR1. Interacts with CYFIP2 but not with CYFIP1. Interacts with TDRD3. Belongs to the FMR1 family. Protein type: RNA-binding Chromosomal Location of Human Ortholog: 17p13.1 Cellular Component: polysome; membrane; cytoplasm; nucleus Molecular Function: mRNA binding; identical protein binding; protein binding; RNA binding Biological Process: negative regulation of translation
Research Articles on FXR2	**1.** Data show that the nuclear localization signals of the FXR1 and FXR2 comprise tandem Tudor domain architectures.
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/fxr2/3904136