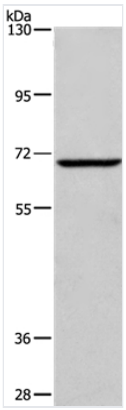
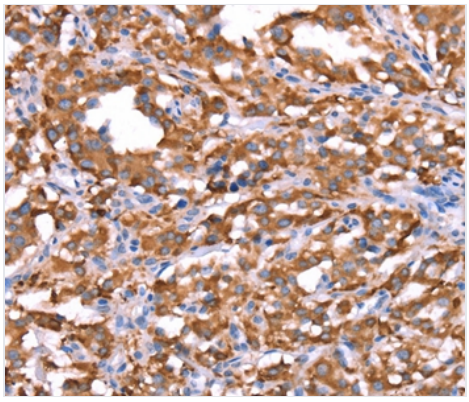
FXR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FXR1, Polyclonal Antibody
Full Product Name	FXR1 Antibody
Product Gene Name	anti-FXR1 antibody
Product Synonym Names	FXR1P
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN3, 50% Glycerol.
Purity/Purification	Antigen affinity purification.
Concentration	1.1 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total FXR1 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	59,920 Da
OMIM	600819
3D Structure	ModBase 3D Structure for P51114
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human fragile X mental retardation, autosomal homolog 1
Target Name	FXR1
Product Categories/Family for anti-FXR1 antibody	Total protein Ab
Applications Tested/Suitable for anti-FXR1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-FXR1 antibody	Western blotting: 1:200-1:1000 Immunohistochemistry: 1:25-1:100
Related Product Information for anti-FXR1 antibody	The protein encoded by this gene is an RNA binding protein that interacts with the functionally-similar proteins FMR1 and FXR2. These proteins shuttle between the nucleus and cytoplasm and associate with polyribosomes, predominantly with the 60S ribosomal subunit. Three transcript variants encoding different isoforms have been found for this gene
Other Notes	Small volumes of anti-FXR1 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 FXR1 purchase	MBS9404037 is an antibody targeting FXR1. Also known as FXR1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Testing Data of anti-FXR1 antibody
Gel: 6%SDS-PAGE Lysate: 40ug 231 cell Primary antibody: 1/300 dilution Secondary antibody dilution: 1/8000 Exposure time: 10 minutes



Immunohistochemistry (IHC) of anti-FXR1 antibody
Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using at dilution 1/20.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FXR1. It may not necessarily be applicable to this product.

NCBI GI #	61835164
NCBI GeneID	8087
NCBI Accession #	NP_001013456.1
UniProt Primary Accession #	P51114
UniProt Secondary Accession #	Q7Z450; Q8N6R8; A8K9B8
UniProt Related Accession #	P51114
GenBank Nucleotide #	NM_001013438.2
NCBI Official Full Name	fragile X mental retardation syndrome-related protein 1 isoform b
NCBI Official Synonym Full Names	fragile X mental retardation, autosomal homolog 1
NCBI Official Symbol	FXR1
NCBI Official Synonym Symbols	FXR1P
UniProt Protein Name	Fragile X mental retardation syndrome-related protein 1
Protein Family	Fragile X mental retardation syndrome-related protein
UniProt Gene Name	FXR1
UniProt Synonym Gene Names	hFXR1p
UniProt Entry Name	FXR1_HUMAN
NCBI Protein Information	fragile X mental retardation syndrome-related protein 1
NCBI Summary for FXR1	The protein encoded by this gene is an RNA binding protein that interacts with the functionally-similar proteins FMR1 and FXR2. These proteins shuttle between the nucleus and cytoplasm and associate with polyribosomes, predominantly with the 60S ribosomal subunit. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

UniProt Comments for FXR1	FXR1: RNA-binding protein required for embryonic and postnatal development of muscle tissue. May regulate intracellular transport and local translation of certain mRNAs. Interacts with FMR1 and FXR2. Interacts with TDRD3, and with CYFIP2 but not with CYFIP1. Expressed in all tissues examined including heart, brain, kidney and testis. Belongs to the FMR1 family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: RNA-binding; Translation Chromosomal Location of Human Ortholog: 3q28 Cellular Component: polysome; costamere; membrane; cytoplasm; nucleolus Molecular Function: mRNA binding; mRNA 3'-UTR binding; RNA binding Biological Process: muscle development; apoptosis; negative regulation of translation; cell differentiation
Research Articles on FXR1	**1.** The mechanisms by which FXR1 executes its regulatory function by forming a novel complex with two other oncogenes, protein kinase C, iota and epithelial cell transforming 2, located in the same amplicon via distinct binding mechanisms, were identified.
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