

Rabbit anti-Human FXR1 Polyclonal Antibody | anti-FXR1 antibody

Anti-FXR1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254976	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

FXR1; Polyclonal Antibody; Anti-FXR1 Antibody; Rabbit Polyclonal; FXR1 Antibody; Rabbit PAb; Antigen Affinity Purified; fragile X mental retardation; autosomal homolog 1; Anti-FXR1P Antibody; anti-FXR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human FXR1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-FXR1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human FXR1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human FXR1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human FXR1 in human brain with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.



IF (Immunofluorescence)

Immunofluorescence staining of FXR1 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human FXR1 polyclonal antibody (dilution ratio 1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Cytoplasm.



WB (Western Blot)

Anti-FXR1 rabbit polyclonal antibody at 1:500 dilution Lane A: HepG2 Whole Cell Lysate Lane B: MCF7 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 70 kDa Observed band size: 72 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-FXR1 antibody	Fragile X mental retardation-related protein 1 (FXR1) is a cytoplasmic RNA-binding protein highly conserved among vertebrates. It has been studied for its role in muscle development, inflammation, and tumorigenesis, being related, for example, to metastasizing behavior in human and canine uveal melanoma. FXR1 is a novel COX-2 regulatory factor. FXR1 was highly expressed in human placental villi during early pregnancy. FXR1 is a multifunctional protein involved in translational regulation and stabilization of its mRNA targets in heart muscle, it directly regulates major gap junction components, contributing to proper cell-cell communication in the heart. FXR1-regulated senescence is irreversible and FXR1-depleted cells fail to form colonies to re-enter cellular proliferation. FXR1 expression is a candidate biomarker predictive of poor survival in multiple solid tumors including nonsmall cell lung cancer (NSCLC).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	61835164
NCBI GeneID	8087
NCBI Accession #	NP_001013456
NCBI GenBank Nucleotide #	NM_001013438
UniProt Accession #	P51114; Q7Z450; Q8N6R8; A8K9B8
Molecular Weight	59,920 Da
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
NCBI Protein Information	fragile X mental retardation syndrome-related protein 1; hFXR1p
UniProt Protein Name	Fragile X mental retardation syndrome-related protein 1
UniProt Gene Name	FXR1
UniProt Synonym Gene Names	hFXR1p
UniProt Entry Name	FXR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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