

Rabbit FXR2 Polyclonal Antibody | anti-FXR2 antibody

Anti-FXR2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126412	Rabbit	Human, Monkey, Mouse	ELISA, Flow Cytometry, Functional Assay, Western Blot

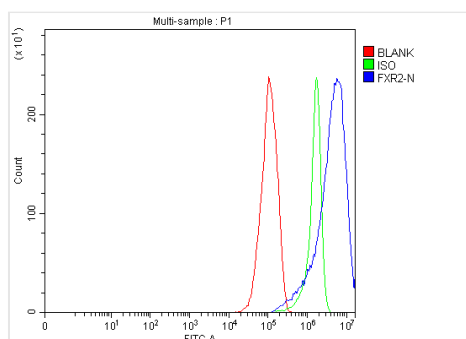
PRODUCT SYNONYMS

FXR2; Polyclonal Antibody; Anti-FXR2 Antibody Picoband; anti-FXR2 antibody

PRODUCT SPECIFICATIONS

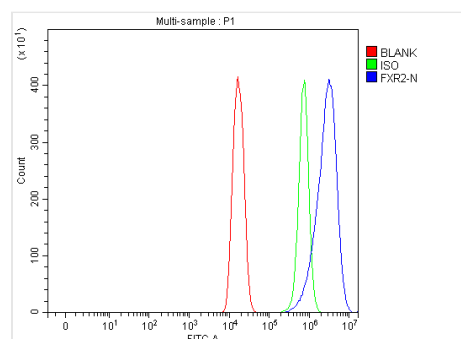
Host	Rabbit
Reactivity	Human, Monkey, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-FXR2 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human FXR2 recombinant protein (Position: N153-K651).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



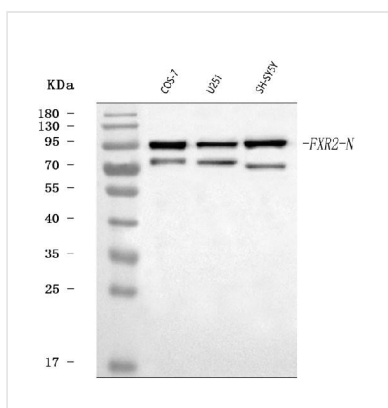
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of RT4 cells using anti-FXR2 antibody (AAA126412). Overlay histogram showing RT4 cells stained with AAA126412 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-FXR2 Antibody (AAA126412, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of HEPA1-6 cells using anti-FXR2 antibody (AAA126412). Overlay histogram showing HEPA1-6 cells stained with AAA126412 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-FXR2 Antibody (AAA126412, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of FXR2 using anti-FXR2 antibody (AAA126412). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: monkey COS-7 whole cell lysates, Lane 2: human U251 whole cell lysates, Lane 3: human SH-SY5Y whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-FXR2 antigen affinity purified polyclonal antibody (#AAA126412) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for FXR2 at approximately 93 kDa. The expected band size for FXR2 is at 74 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-FXR2 antibody	Fragile X mental retardation syndrome-related protein 2 is a protein that in humans is encoded by the FXR2 gene. 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 cognitive disability syndrome.
Product Categories/Family for anti-FXR2 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	259013556
NCBI GeneID	9513
NCBI Accession #	NP_004851.2
NCBI GenBank Nucleotide #	NM_004860.3
UniProt Accession #	P51116; Q86V09; Q8WUM2; B2R9M2; D3DTQ1
Molecular Weight	74,223 Da
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
NCBI Protein Information	fragile X mental retardation syndrome-related protein 2; fragile X-mental retardation 1-like 2
UniProt Protein Name	Fragile X mental retardation syndrome-related protein 2
UniProt Gene Name	FXR2

UniProt Synonym Gene Names	FMR1L2
UniProt Entry Name	FXR2_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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fxr2-antibody-flow-cytometry-western-blot-elisa/126412>