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# FXR2 Antibody
**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP51218**

## Specification

### FXR2 Antibody - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | P51116 |
| Reactivity | **Human, Mouse** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **90 KDa** |
| Antigen Region | **551 - 610** |

### FXR2 Antibody - Additional Information

**Gene ID** 9513

**Other Names**
Fragile X mental retardation syndrome-related protein 2, FXR2, FMR1L2

**Target/Specificity**
KLH conjugated synthetic peptide derived from human FXR2

**Dilution**
WB~~ 1:1000

**Format**
0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**
Store at -20 °C.Stable for 12 months from date of receipt

### FXR2 Antibody - Protein Information

**Name** FXR2 {ECO:0000303|PubMed:7489725, ECO:0000312|HGNC:HGNC:4024}

**Function**
mRNA-binding protein that acts as a regulator of mRNAs translation and/or stability, and which is required for adult hippocampal neurogenesis (By similarity). Specifically binds to AU-rich elements (AREs) in the 3'-UTR of target mRNAs (By similarity). Promotes formation of some phase-separated membraneless compartment by undergoing liquid-liquid phase separation upon binding to AREs-containing mRNAs: mRNAs storage into membraneless compartments regulates their translation and/or stability (By similarity). Acts as a regulator of adult hippocampal neurogenesis by regulating translation and/or stability of NOG mRNA, thereby preventing NOG protein expression in the dentate gyrus (By similarity).

**Cellular Location**

Cytoplasm, Cytoplasmic ribonucleoprotein granule {ECO:0000250|UniProtKB:Q61584}. Cytoplasm Postsynapse {ECO:0000250|UniProtKB:Q9WVR4}. Note=Specifically localizes to cytoplasmic ribonucleoprotein membraneless compartments (By similarity). Localization to the post-synaptic region is dependent on FMR1 (By similarity). {ECO:0000250|UniProtKB:Q61584, ECO:0000250|UniProtKB:Q9WVR4}

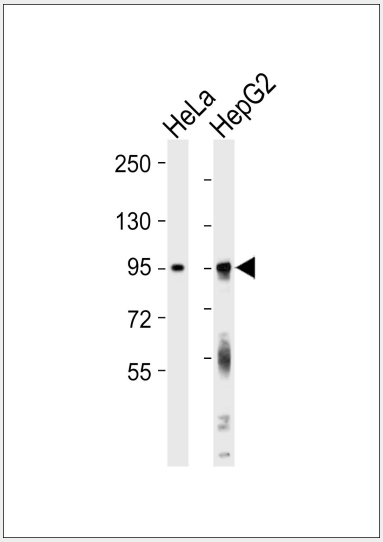
**Tissue Location**
Expressed in all tissues examined including heart, brain, kidney and testis (PubMed:9259278). In brain, present at high level in neurons and especially in the Purkinje cells at the interface between the granular layer and the molecular layer (at protein level) (PubMed:9259278).

## FXR2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## FXR2 Antibody - Images




All lanes : Anti-FXR2 Antibody at 1:1000 dilution Lane 1: HeLa whole cell lysates Lane 2: HepG2 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 75 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

## FXR2 Antibody - Background

RNA-binding protein.

## FXR2 Antibody - References

Zhang Y.,et al.EMBO J. 14:5358-5366(1995).
Kalnine N.,et al.Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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Joseph D.R.,et al.Steroids 63:2-4(1998).