

## Rabbit FXR1 Polyclonal Antibody | anti-FXR1 antibody

FXR1 Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA323226</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

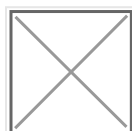
### PRODUCT SYNONYMS

FXR1; Polyclonal Antibody; FXR1 Antibody; Fragile X mental retardation autosomal homolog 1; Fragile X mental retardation syndrome related protein 1; Fragile X mental retardation syndrome-related protein 1; FXR1\_HUMAN; FXR1P; hFXR1p; anti-FXR1 antibody

### PRODUCT SPECIFICATIONS

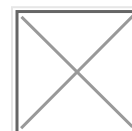
|                                                |                                                                                                                                  |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                           |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                |
| Clonality                                      | Polyclonal                                                                                                                       |
| Isotype                                        | IgG                                                                                                                              |
| Specificity                                    | FXR1 antibody detects endogenous levels of FXR1.                                                                                 |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                                    |
| Form/Format                                    | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                    |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                                           |
| Sequence Length                                | 539                                                                                                                              |
| Applicable Applications for anti-FXR1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                    |
| Immunogen                                      | A synthesized peptide derived from human FXR1.                                                                                   |
| Subcellular Location                           | Cytoplasm.                                                                                                                       |
| Tissue Specificity                             | Expressed in all tissues examined including heart, brain, kidney and testis.                                                     |
| Predicted Cross Reactivity                     | <b>Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus</b>                                                       |
| Similarity                                     | Pig (100%), Zebrafish (83%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (100%) |
| Conjugation                                    | Unconjugated                                                                                                                     |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts of HeLa cells, using FXR1 antibody.



#### IHC (Immunohistochemistry)

AAA323226 at 1/100 staining Human pancreas cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-FXR1 antibody | Function: RNA-binding protein required for embryonic and postnatal development of muscle tissue. May regulate intracellular transport and local translation of certain mRNAs (By similarity).<br>Subunit Structure: Interacts with FMR1 (PubMed:8668200, PubMed:7489725, PubMed:11157796). Interacts with FRX2 (PubMed:7489725). Interacts with TDRD3 (PubMed:18664458). Interacts with HABP4 (PubMed:21771594). Interacts with CYFIP2 but not with CYFIP1 (By similarity).<br>Post-translational Modifications: Arg-445 is dimethylated, probably to asymmetric dimethylarginine.<br>Similarity: The tandem Agenet-like domains preferentially recognize trimethylated histone peptides. Belongs to the FMR1 family. |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| NCBI GI #                        | 61835164                                                          |
| NCBI GeneID                      | 8087                                                              |
| NCBI Accession #                 | NP_001013456.1                                                    |
| NCBI GenBank Nucleotide #        | NM_001013438.2                                                    |
| UniProt Accession #              | P51114; Q7Z450; Q8N6R8; A8K9B8                                    |
| Molecular Weight                 | Observed: 60-80 kDa<br>Predicted: 70 kDa                          |
| NCBI Official Full Name          | fragile X mental retardation syndrome-related protein 1 isoform b |
| NCBI Official Synonym Full Names | FMR1 autosomal homolog 1                                          |
| NCBI Official Symbol             | FXR1                                                              |
| NCBI Official Synonym Symbols    | FXR1P                                                             |
| NCBI Protein Information         | fragile X mental retardation syndrome-related protein 1           |
| UniProt Protein Name             | Fragile X mental retardation syndrome-related protein 1           |
| UniProt Gene Name                | FXR1                                                              |
| UniProt Synonym Gene Names       | hFXR1p                                                            |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/fxr1-antibody-immunohistochemistry-western-blot-elisa/323226>