

# ISX/Intestine specific homeobox Rabbit pAb

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Catalog # AP56973

## Product Information

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|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>             | WB, IHC-P, IHC-F, IF                                                                                                                                                                                                                                                                                            |
| <b>Primary Accession</b>       | <a href="#">Q2M1V0</a>                                                                                                                                                                                                                                                                                          |
| <b>Reactivity</b>              | Human, Mouse                                                                                                                                                                                                                                                                                                    |
| <b>Predicted</b>               | Rat, Horse, Sheep                                                                                                                                                                                                                                                                                               |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                          |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                                                                      |
| <b>Calculated MW</b>           | 27011                                                                                                                                                                                                                                                                                                           |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human ISX/Intestine specific homeobox                                                                                                                                                                                                                             |
| <b>Epitope Specificity</b>     | 81-180/245                                                                                                                                                                                                                                                                                                      |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                                                                                                                                                                  |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                               |
| <b>SUBCELLULAR LOCATION</b>    | Nucleus.                                                                                                                                                                                                                                                                                                        |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                       |
| <b>Background Descriptions</b> | Homeobox genes encode DNA-binding proteins, many of which are thought to be involved in early embryonic development. Homeobox genes encode a DNA-binding domain of 60 to 63 amino acids referred to as the homeodomain. This gene is a member of the RAXLX homeobox gene family. [provided by RefSeq, Jul 2008] |

## Additional Information

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|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>     | 91464                                                                                                                                                                                           |
| <b>Other Names</b> | Intestine-specific homeobox, RAX-like homeobox, ISX, RAXLX                                                                                                                                      |
| <b>Dilution</b>    | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500                                                                                                                                      |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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|-------------|-----|
| <b>Name</b> | ISX |
|-------------|-----|

**Synonyms**

RAXLX

**Function**

Transcription factor that regulates gene expression in intestine. May participate in vitamin A metabolism most likely by regulating BCO1 expression in the intestine (By similarity).

**Cellular Location**

Nucleus {ECO:0000255 | PROSITE-ProRule:PRU00108}.

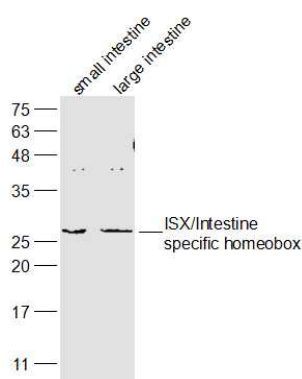
**Background**

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**Images**

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**Sample:**

small intestine (Mouse) Lysate at 40 ug

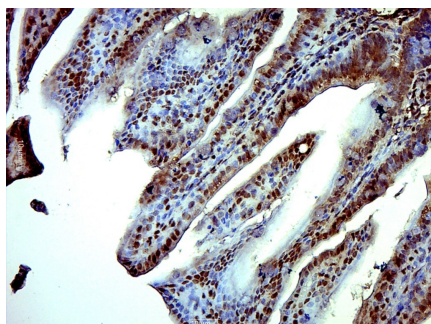
large intestine (Mouse) Lysate at 40 ug

Primary: Anti-ISX/Intestine specific homeobox (AP56973) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 27 kD

Observed band size: 27 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse small intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ISX) Polyclonal Antibody, Unconjugated (AP56973) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.