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# HOXA11 Polyclonal Antibody

**Catalog Number** **PA1-41396**

**Product data sheet**

| Details | |
|---|---|
| **Size** | 100 µg |
| **Host/Isotope** | Rabbit / IgG |
| **Class** | Polyclonal |
| **Type** | Antibody |
| **Immunogen** | A peptide sequence corresponding to acids amino acids 306-318 (LQNLQPWSDDSTK) of human HOX11 |
| **Conjugate** | Unconjugated |
| **Form** | Liquid |
| **Concentration** | 0.5 mg/mL |
| **Purification** | Protein G |
| **Storage buffer** | PBS with 0.2% gelatin |
| **Contains** | 0.05% sodium azide |
| **Storage Conditions** | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. |

| Species Reactivity | |
|---|---|
| **Species reactivity** | Human, Mouse, Rat |

| Tested Applications | Dilution * |
|---|---|
| **Western Blot (WB)** | 1-3 µg/mL |

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

## Product specific information

Suggested positive control: human, mouse, or rat liver.

## Background/Target Information

HOX11, also called homeobox11 or Tcl-3 is located at the 10q24 T-Cell translocation breakpoint region. It encodes a homeobox-domain containing protein, HOX11, containing a glycine and proline-rich amino terminus. HOX11 is required for maintenance of the developing spleen and cell survival. The HOX11protein binds to a specific DNA sequence and localizes to the cell nucleus. It transactivates transcription of a reporter gene linked to a cis-regulatory element, acting as a positive transcription activator. The HOX11 gene is highly expressed in T-ALLs as a result of a t (7:10) (q35;q24) or t (10:14) (q24;qll) translocation. The homeobox gene is deregulated upon translocation into the T-cell receptor locus and activates a specific subset of tumor-associated target genes. HOX 11 gene translocation has been attributed to T-cell leukemia and lymphoid neoplasias.

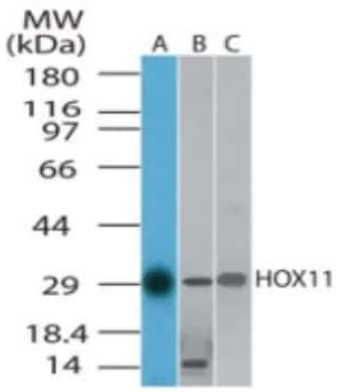
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## Product Images For HOXA11 Polyclonal Antibody




**HOXA11 Antibody (PA1-41396) in WB**

Western blot analysis of HOXA11 in A) human, B) mouse and C) rat liver cell lysate. Samples were incubated in HOXA11 polyclonal antibody (Product # PA1-41396) using a dilution of 1 µg/mL.

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Thermo Fisher Scientific
3747 N. Meridian Road
Rockford, IL 61105 USA

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