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| <b>Product name:</b>     | HoxA11/D11 Rabbit Polyclonal Antibody                                                                  |
| <b>Cat number:</b>       | ABN12166                                                                                               |
| <b>Conjugate:</b>        | Unconjugated                                                                                           |
| <b>Size:</b>             | 100µL                                                                                                  |
| <b>Clone:</b>            | Polyclonal                                                                                             |
| <b>Concentration:</b>    | 1mg/ml                                                                                                 |
| <b>Host:</b>             | Rabbit                                                                                                 |
| <b>Isotype:</b>          | IgG                                                                                                    |
| <b>Immunogen:</b>        | The antiserum was produced against synthesized peptide derived from human HOXA11/D11. AA range:216-265 |
| <b>Reactivity:</b>       | Human,Mouse                                                                                            |
| <b>Applications:</b>     | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000                              |
| <b>Molecular Weight:</b> | 28kDa                                                                                                  |
| <b>Purification:</b>     | Affinity purification                                                                                  |
| <b>Form:</b>             | Liquid                                                                                                 |
| <b>Buffer:</b>           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.                     |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.           |

**Background:**

In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. This gene is involved in the regulation of uterine development and is required for female fertility. Mutations in this gene can cause radio-ulnar synostosis with amegakaryocytic thrombocytopenia. [provided by RefSeq, Jul 2008],disease:Defects in HOXA11 are the cause of radioulnar synostosis with amegakaryocytic thrombocytopenia [MIM:605432]. The syndrome consists of an unusual association of bone marrow failure and skeletal defects. Patients have the same skeletal defects, the proximal fusion of the radius and ulna, resulting in extremely limited pronation and supination of the forearm. Some patients have also symptomatic thrombocytopenia, with bruising and bleeding problems since birth, necessitating correction by bone marrow or umbilical-cord stem-cell transplantation.,function:Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis.,similarity:Belongs to the Abd-B homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,