



# HoxB5 Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-15766                                                                                                                                                                                                                                                                                                                                                 |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                        |
| <b>Reactivity</b>         | Human;Mouse                                                                                                                                                                                                                                                                                                                                                |
| <b>Applications</b>       | WB;ELISA                                                                                                                                                                                                                                                                                                                                                   |
| <b>Gene Name</b>          | HOXB5                                                                                                                                                                                                                                                                                                                                                      |
| <b>Protein Name</b>       | Homeobox protein Hox-B5                                                                                                                                                                                                                                                                                                                                    |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human HoxB5. AA range:150-199                                                                                                                                                                                                                                                          |
| <b>Specificity</b>        | HoxB5 Polyclonal Antibody detects endogenous levels of HoxB5 protein.                                                                                                                                                                                                                                                                                      |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                    |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                     |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                      |
| <b>Dilution</b>           | Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.                                                                                                                                                                                                                                                                        |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>           | HOXB5; HOX2A; Homeobox protein Hox-B5; Homeobox protein HHO.C10; Homeobox protein Hox-2A; Homeobox protein Hu-1                                                                                                                                                                                                                                            |
| <b>Observed Band</b>      | 29kD                                                                                                                                                                                                                                                                                                                                                       |
| <b>Cell Pathway</b>       | Nucleus.                                                                                                                                                                                                                                                                                                                                                   |
| <b>Tissue Specificity</b> | Spinal cord.                                                                                                                                                                                                                                                                                                                                               |
| <b>Function</b>           | developmental stage:Embryo.,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 Antp homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,tissue specificity:Spinal cord., |
| <b>Background</b>         | This gene is a member of the Antp homeobox family and encodes a nuclear protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded protein functions as a sequence-specific transcription factor that is involved in lung and gut                                                   |

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development. Increased expression of this gene is associated with a distinct biologic subset of acute myeloid leukemia (AML) and the occurrence of bronchopulmonary sequestration (BPS) and congenital cystic adenomatoid malformation (CCAM) tissue. [provided by RefSeq, Jul 2008],

**matters needing attention**

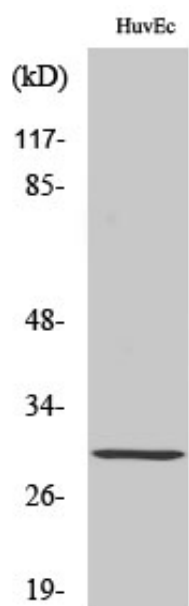
Avoid repeated freezing and thawing!

**Usage suggestions**

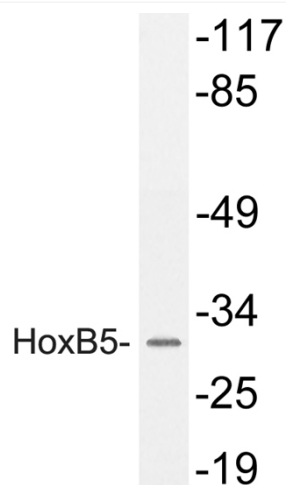
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



## Products Images



Western Blot analysis of various cells using HoxB5 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



Western blot analysis of lysate from HUVEC cells, using HoxB5 antibody.