



# HoxA5 Polyclonal Antibody

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-15761                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Reactivity         | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Applications       | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Name          | HOXA5                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Protein Name       | Homeobox protein Hox-A5                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Immunogen          | Synthesized peptide derived from the N-terminal region of human HoxA5.                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity        | HoxA5 Polyclonal Antibody detects endogenous levels of HoxA5 protein.                                                                                                                                                                                                                                                                                                                                                                                      |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                    |
| Source             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purification       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                      |
| Dilution           | Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.                                                                                                                                                                                                                                                                                                                                                                        |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Synonyms           | HOXA5; HOX1C; Homeobox protein Hox-A5; Homeobox protein Hox-1C                                                                                                                                                                                                                                                                                                                                                                                             |
| Observed Band      | 40kD                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Cell Pathway       | Nucleus.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Tissue Specificity | Ovary,                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Function           | developmental stage:Expressed during embryogenesis and in adult kidney.,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. Also binds to its own promoter. Binds specifically to the motif 5'-CYNATTA[TG]Y-3'.,similarity:Belongs to the Antp homeobox family.,similarity:Contains 1 homeobox DNA-binding domain., |
| 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                                                            |

Nanjing BYabscience technology Co.,Ltd



expression, morphogenesis, and differentiation. Methylation of this gene may result in the loss of its expression and, since the encoded protein upregulates the tumor suppressor p53, this protein may play an important role in tumorigenesis. [provided by RefSeq, Jul 2008],

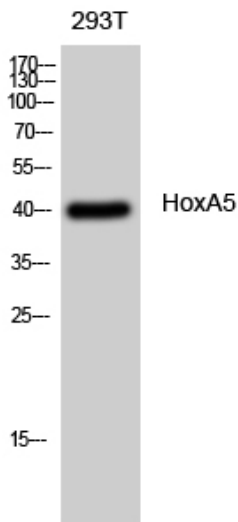
**matters needing attention**

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 293T cells using HoxA5 Polyclonal Antibody diluted at 1:500 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).