

HOXB7 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) **Catalog # AP56673**

Specification

HOXB7 Polyclonal Antibody - Product Information

WB, IHC-P, IHC-F, IF, ICC, E Application

Primary Accession P09629 Reactivity Rat Host Rabbit Clonality **Polyclonal** Calculated MW **24 KDa**

Physical State Liquid Immunogen KLH conjugated synthetic peptide derived

from human HOXB7

101-200/217 **Epitope Specificity** Isotype laG

Purity affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus.

SIMILARITY Belongs to the Antp homeobox family. Contains 1 homeobox DNA-binding domain. This product as supplied is intended for Important Note

research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

The Hox proteins play a role in development and cellular differentiation by regulating downstream target genes. Specifically, the Hox proteins direct DNA-protein and protein-protein interactions that assist in determining the morphologic features associated with the anterior-posterior body axis. The mammalian HOX gene complex consists of 39 genes that are located on four linkage groups, which are dispersed over four chromosomes. A segment of the HoxB7 proximal promoter drives renal expression of reporter genes specifically in the ureteric bud and collecting ducts. Expression levels of HoxB7 are lower in lymph node metastasis-positive cancer tissues than negative cancer tissues. These results suggest that aberrant expression of HOX genes is related to the development of breast cancer and malignant behavior of cancer cells.

HOXB7 Polyclonal Antibody - Additional Information

Gene ID 3217

Other Names

Homeobox protein Hox-B7, Homeobox protein HHO.C1, Homeobox protein Hox-2C, HOXB7, HOX2C

WB~~1:1000<br \><span class</pre> ="dilution IHC-P">IHC-P~~N/A<br \><span class



="dilution_IHC-F">IHC-F~~N/A
span class ="dilution_IF">IF~~1:50~200
span class ="dilution_ICC">ICC~~N/A
>E~~N/A

Storage

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.

HOXB7 Polyclonal Antibody - Protein Information

Name HOXB7

Synonyms HOX2C

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.

Cellular Location

Nucleus.

HOXB7 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HOXB7 Polyclonal Antibody - Images