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Anti-MEIS1 Picoband Antibody

Catalog # ABO12496

Specification

Anti-MEIS1 Picoband Antibody - Product Information

Application	**WB**
Primary Accession	O00470
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Homeobox protein Meis1(MEIS1) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-MEIS1 Picoband Antibody - Additional Information

Gene ID 4211

Other Names
Homeobox protein Meis1, MEIS1

Calculated MW
43016 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Mouse, Rat, Human

Subcellular Localization
Nucleus .

Tissue Specificity
Expressed at low level in normal immunohepatopoietic tissues, including the fetal liver. Expressed in a subset of myeloid leukemia cell lines, with the highest expression seen in those with a megakaryocytic-erythroid phenotype. Also expressed at high levels in the cerebellum.

Protein Name
Homeobox protein Meis1

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the N-terminus of human MEIS1 (26-60aa DPHAARSMQPVHHLNHGPPLHSHQYPHTAHTNAMA), identical to the related mouse and rat sequences.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins.

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Anti-MEIS1 Picoband Antibody - Protein Information

Name MEIS1

Function
Acts as a transcriptional regulator of PAX6. Acts as a transcriptional activator of PF4 in complex with PBX1 or PBX2. Required for hematopoiesis, megakaryocyte lineage development and vascular patterning. May function as a cofactor for HOXA7 and HOXA9 in the induction of myeloid leukemias.

Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

Tissue Location
Expressed at low level in normal immunohepatopoietic tissues, including the fetal liver. Expressed in a subset of myeloid leukemia cell lines, with the highest expression seen in those with a megakaryocytic-erythroid phenotype. Also expressed at high levels in the cerebellum

Anti-MEIS1 Picoband 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

Anti-MEIS1 Picoband Antibody - Images

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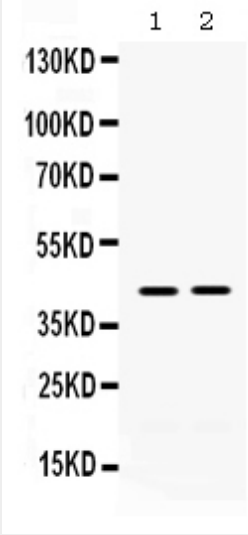

Anti- MEIS1 Picoband antibody, ABO12496, Western blottingAll lanes: Anti MEIS1 (ABO12496) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugPredicted bind size: 43KDObserved bind size: 43KD

Anti-MEIS1 Picoband Antibody - Background

Homeobox protein Meis1 is a protein that in humans is encoded by the MEIS1 gene. Homeobox genes, of which the most well-characterized category is represented by the HOX genes, play a crucial role in normal development. In addition, several homeoproteins are involved in neoplasia: PPX1, HOXA10, and HOXB8 play important roles in leukemia. This gene is mapped to chromosome 2p14-p13. The Meis1 locus is isolated as a common site of viral integration involved in myeloid leukemia in BXH-2 mice. MEIS1 encodes a novel homeobox protein belonging to the TALE (three amino acid loop extension) family of homeodomain-containing proteins. The homeodomain of MEIS1 is the only conserved motif within the entire 390-amino acid protein.