## 11-12008: Polyclonal Antibody to MEIS1

| Clonality: | Polyclonal |
| :--- | :--- |
| Application : | WB |
| Reactivity : | Human |
| Gene : | MEIS1 |
| Gene ID : | 4211 |
| Uniprot ID : | O00470 |
| Format : | Purified |
| Alternative Name : | MEIS1 |
| Isotype : | Rabbit lgG |
| Immunogen Information $:$A partial length recombinant MEIS1 protein (amino acids 163-352) was used as the immunogen <br> for this antibody. |  |

## Description

Myeloid ecotropoic viral insertion site 1 (MEIS1) is a transcription factor belonging to TALE (three amino acids loop extension) family. The gene for MEIS1 is mapped to human chromosome $2 p 15$. The amino terminus contains binding domains for its interaction partners, the transcription factors HOXA9 and PBX1, followed by a homeobox DNA binding domain and carboxyterminal transcriptional activation domains. It is expressed in hematopoietic stem and progenitor cells and increases during human megakaryocytic differentiation. MEIS1 plays a role in the normal development of the hematopoietic lineage and is over expressed in a subset of acute myeloid leukemias. Increased MEIS1 expression has also been observed in neuroblastomas and the expression level of the MEIS1 transcript is a prognostic indicator in breast cancer.

## Product Info

Amount: $\quad 25 \mu \mathrm{~g} / 100 \mu \mathrm{~g}$
Purification: Protein A Chromatography

Content: $\quad 25 \mu \mathrm{~g}$ in $50 \mu \mathrm{l} / 100 \mu \mathrm{~g}$ in $200 \mu \mathrm{l}$ PBS containing $0.05 \%$ BSA and $0.05 \%$ sodium azide. Sodium azide is highly toxic.
Storage condition : $\quad$ Store the antibody at $4^{\circ} \mathrm{C}$; stable for 6 months. For long-term storage; store at $-20^{\circ} \mathrm{C}$. Avoid repeated freeze and thaw cycles.

## Application Note

Western blot analysis: 1-2 $\mu \mathrm{g} / \mathrm{ml}$


Fig-1: Expression analysis of MEIS1. Anti-MEIS1 antibody (11-12008) was used at 1 $\mu \mathrm{g} / \mathrm{ml}$ on h Heart lysate.

