

小鼠抗 MEIS3 单克隆抗体

中文名称: 小鼠抗 MEIS3 单克隆抗体

英文名称: Anti-MEIS3 mouse monoclonal antibody

别名: MRG2

抗原: MEIS3

储存: 冷冻 (-20℃) 避光

宿主: Mouse

反应种属: Human , Mouse

相关类别: 一抗

标记物: Unconjugate

克隆类型: mouse monoclonal

技术规格

Background:

Hox, Pbx and Meis families of transcription factors form heteromeric complexes and bind DNA through specific homeobox domains. Hox proteins are involved in regulating tissue patterning during development, and are also expressed in lineage- and stage-specific patterns during adult hematopoietic differentiation and in leukemias. The Hox proteins, which include paralog groups 1-10, have a low intrinsic binding affinity for DNA and are instead associated into cooperative DNA binding complexes with Pbx or the Pbx-related Meis proteins, which result in an enhanced Hox-DNA

	<p>binding affinity and an increased selectivity for the binding site. Both Meis1 and Meis2 (also known as Meis-related gene 1 or Mrg1) are members of the TALE ("three amino acid loop extension") family of homeodomain-containing proteins. In addition to binding with Hox proteins, Meis1 also forms heterodimers with the ubiquitously expressed Pbx proteins, including Pbx1, Pbx2 and Pbx3, and these complexes contain distinct DNA-binding specificities. Like Hox and Pbx proteins, Meis1 is implicated in oncogenesis, as it is overexpressed as a result of adjacent retroviral insertion in BHL-2 myeloid leukemias. Two Meis-related proteins, Meis2 and Meis3 (also designated Mrg1 and Mrg2, respectively), possess largely similar sequence identity with Meis1 and are expressed in normal tissues and myeloid leukemias. In the pancreas, Meis2 preferentially associates with Pbx1, and together they associate with the pancreas-specific homeodomain factor, Pdx1, to repress Pdx1-induced transcriptional activation.</p>
Applications:	WB, IHC, FC
Name of antibody:	MEIS3
Immunogen:	Fusion protein of human MEIS3
Full name:	Meis homeobox 3 (MEIS3), transcript variant 1
Synonyms:	MRG2
SwissProt:	Q99687
IHC positive control:	adenocarcinoma of human ovary tissue and human pancreas tissue; adenocarcinoma of human endometrium tissue and human prostate tissue
IHC Recommend dilution:	30-150
WB Predicted band size:	41 kDa
WB Positive control:	HepG2, HeLa, SVT2 cell lysates
WB Recommended dilution:	500-2000