
Summary

Production Name	Meis1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	MEIS1
Alternative Names	MEIS1; Homeobox protein Meis1
Gene ID	4211.0
SwissProt ID	O00470.The antiserum was produced against synthesized peptide derived from human Meis1. AA range:229-278

Application

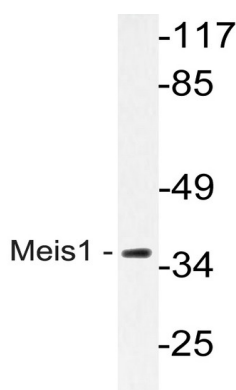
Dilution Ratio	WB 1:500-2000
Molecular Weight	37kD

Background

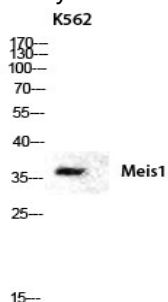
Homeobox genes, of which the most well-characterized category is represented by the HOX genes, play a crucial role in normal development. In addition, several homeoproteins are involved in neoplasia. This gene encodes a homeobox protein belonging to the TALE (three amino acid loop extension) family of homeodomain-containing proteins. [provided by RefSeq, Jul 2008],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.,similarity:Belongs to the TALE/MEIS homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,subunit:Interacts with the N-terminal region of PBX1 to form a heterodimer which binds DNA including a cAMP-responsive sequence in CYP17. Also forms heterodimers with PBX2. Forms heterotrimers with PBX1 or PBX2 and a number of HOX proteins including HOXA9, HOXD4 and HOXD9 where it acts as a non-DNA-binding partner. Also forms heterotrimers with PBX1 and HOX proteins including HOXD9 and HOXD10 where PBX1 is the non-DNA-binding partner.,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.,

Research Area

Image Data



Western blot analysis of lysate from Jurkat cells, using Meis1 antibody.



Product Name: Meis1 Rabbit Polyclonal Antibody
Catalog #: APRab13791



Western blot analysis of K562 lysis using Meis1 antibody. Antibody was diluted at 1:1000 cells nucleus extracted by Minute
TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .

Note

For research use only.