

## Meis1 Polyclonal Antibody

<b>Catalog No :</b>	YT2706
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC
<b>Target :</b>	Meis1
<b>Fields :</b>	>>Signaling pathways regulating pluripotency of stem cells;>>Transcriptional misregulation in cancer
<b>Gene Name :</b>	MEIS1
<b>Protein Name :</b>	Homeobox protein Meis1
<b>Human Gene Id :</b>	4211
<b>Human Swiss Prot No :</b>	O00470
<b>Mouse Gene Id :</b>	17268
<b>Mouse Swiss Prot No :</b>	Q60954
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human Meis1. AA range:229-278
<b>Specificity :</b>	Meis1 Polyclonal Antibody detects endogenous levels of Meis1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000;IHC 1:50-300
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year (Do not lower than -25°C)

**Observed Band :** 37kD

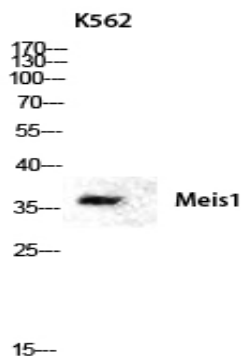
**Background :** Homeobox genes, of which the most well-characterized category is represented by the HOX genes, play a crucial role in normal development. In addition, several homeoproteins are involved in neoplasia. This gene encodes a homeobox protein belonging to the TALE (‘three amino acid loop extension’) family of homeodomain-containing proteins. [provided by RefSeq, Jul 2008],

**Function :** 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 immun

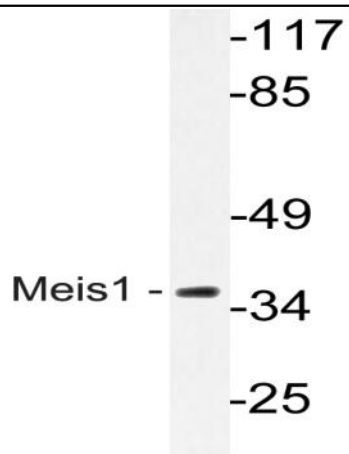
**Subcellular Location :** Nucleus .

**Expression :** 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.

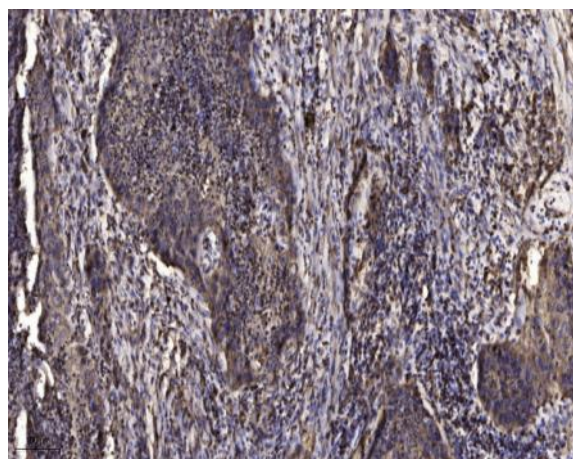
## Products Images



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, Invent biotech, MN, USA).



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



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).