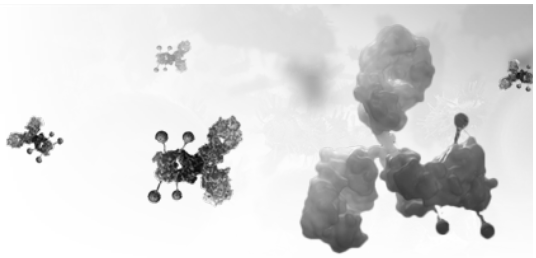

Rabbit Anti-Meis1 polyclonal antibody (CABT-RM109)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Detects Meis1 in human and murine cells. It targets an epitope within the C-terminal region.
Target	Meis1
Immunogen	KLH-conjugated linear peptide corresponding 14 amino acids from the C-terminal region of Meis1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Purification	Protein A purified
Conjugate	unconjugated
Applications	WB, ChIP, IF
Molecular Weight	52 kDa observed. Uncharacterized bands may be observed in some lysate(s).
Format	Liquid
Size	25 µg
Buffer	PBS
Preservative	0.05% sodium azide and 50% glycerol
Storage	Stable for 1 year at -20°C from date of receipt.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

BACKGROUND

Introduction	Homeobox protein Meis1 is encoded by the Meis1 gene Meis proteins act as transcription factors that are orthologous to the Drosophila homothorax (Hth) protein. Meis protein contain a TALE (three-amino-acid loop extension) sub-class of the homeodomain that binds to DNA. Meis protein directly bind to Pbx proteins and the Meis/Pbx protein complex binds to DNA through respective Meis- and Pbx-consensus binding sites to regulate transcription. The Meis/Pbx complex plays important roles during development of multiple organs. In humans and mice, three homologues Meis1, Meis2 and Meis3 have been identified. Meis1 is expressed at high levels in the lung and at lower levels in the heart and brain. On the other hand, Meis 2 displays spatially restricted expression patterns in the developing nervous system, limbs, face, and in various viscera. In adult, it is mainly expressed in the brain and female genital tract, with a different distribution of the alternative splice forms in these organs. Pancreatic beta cells express both Meis1 and 2. Both Meis1 and 2 are expressed at high levels in all stages of embryonic development of mice (day 7 to 17). Deficiency of Meis1 or Meis 2 can lead to embryonic lethality.
Keywords	MEIS1; Meis homeobox 1; homeobox protein Meis1; WUGSC:H_NH0444B04.1; leukemogenic homolog protein; Meis1, myeloid ecotropic viral integration site 1 homolog

GENE INFORMATION

Entrez Gene ID	17268
UniProt ID	Q60954-1

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221