

Datasheet for ABIN7155787
anti-MEIS2 antibody (AA 377-470) (Biotin)



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Overview

Quantity:	100 µg
Target:	MEIS2
Binding Specificity:	AA 377-470
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEIS2 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Homeobox protein Meis2 protein (377-470AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	MEIS2
Alternative Name:	MEIS2 (MEIS2 Products)
Background:	Background: Involved in transcriptional regulation. Binds to HOX or PBX proteins to form dimers, or to a DNA-bound dimer of PBX and HOX proteins and thought to have a role in

Target Details

stabilization of the homeoprotein-DNA complex. Isoform 3 is required for the activity of a PDX1:PBX1b:MEIS2b complex in pancreatic acinar cells involved in the transcriptional activation of the ELA1 enhancer, the complex binds to the enhancer B element and cooperates with the transcription factor 1 complex (PTF1) bound to the enhancer A element, MEIS2 is not involved in complex DNA-binding. Probably in complex with PBX1, is involved in transcriptional regulation by KLF4. Isoform 3 and isoform 4 can bind to a EPHA8 promoter sequence containing the DNA motif 5\'-CGGTCA-3\' in cooperation with a PBX protein (such as PBX2) is proposed to be involved in the transcriptional activation of EPHA8 in the developing midbrain. May be involved in regulation of myeloid differentiation. Can bind to the DNA sequence 5\'-TGACAG-3\' in the activator ACT sequence of the D(1A) dopamine receptor (DRD1) promoter and activate DRD1 transcription, isoform 5 cannot activate DRD1 transcription.

Aliases: Homeobox protein Meis2 antibody, HsT18361 antibody, Meis (mouse) homolog 2 antibody, Meis homeobox 2 antibody, Meis homolog 2 antibody, Meis1 myeloid ecotropic viral integration site 1 homolog 2 (mouse) antibody, Meis1 myeloid ecotropic viral integration site 1 homolog 2 antibody, Meis1 related gene 1 antibody, Meis1 related protein 1 antibody, Meis1-related protein 1 antibody, MEIS2 antibody, MEIS2_HUMAN antibody, MGC2820 antibody, MRG1 antibody, TALE homeobox protein Meis2 antibody

UniProt: [O14770](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.