Datasheet for ABIN2778526

anti-HOXA9 antibody (Middle Region)

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Overview

Quantity:	100 µL
Target:	HOXA9
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio), Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOXA9 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human HOXA9
Sequence:	KEFLFNMYLT RDRRYEVARL LNLTERQVKI WFQNRRMKMK KINKDRAKDE
Predicted Reactivity:	Cow: 85%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 85%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against HOXA9. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	HOXA9

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Target Details

Alternative Name:	HOXA9 (HOXA9 Products)
Background:	In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. HOXA9 gene is part of the A cluster on chromosome 7 and the protein is a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. This gene is highly similar to the abdominal-B (Abd-B) gene of Drosophila. A specific translocation event which causes a fusion between this gene and the NUP98 gene has been associated with myeloid leukemogenesis.In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. This gene is highly similar to the abdominal-B (Abd-B) gene of Drosophila. A specific translocation event which causes a fusion between this gene and the NUP98 gene has been associated with myeloid leukemogenesis. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: ABD-B, HOX1, HOX1.7, HOX1G, MGC1934 Protein Interaction Partner: TRIP6, PRMT5, CUL4A, UBC, CREBBP, PBX3, RBPMS, PBX2, PBX1, PLSCR1, MEIS2, MEIS1, SMAD2, SMAD4, JUN, NFKBIA, BCR, KMT2A, Protein Size: 272
Molecular Weight:	30 kDa
Gene ID:	3205
NCBI Accession:	NM_152739, NP_689952
UniProt:	P31269

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 272 AA
Restrictions:	For Research Use only

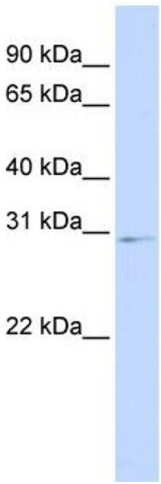
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Gerhard, Wagner, Feingold, Shenmen, Grouse, Schuler, Klein, Old, Rasooly, Good, Guyer, Peck, Derge, Lipman, Collins, Jang, Sherry, Feolo, Misquitta, Lee, Rotmistrovsky, Greenhut, Schaefer, Buetow et al.: "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). ..." in: **Genome research**, Vol. 14, Issue 10B, pp. 2121-7, (2004) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-HOXA9 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: 721_B cell lysate