Datasheet for ABIN2777518

anti-HOXA13 antibody (Middle Region)

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Overview

Quantity:	100 µL
Target:	HOXA13
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOXA13 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human HOXA13
Sequence:	AAAAANQCRN LMAHPAPLAP GAASAYSSAP GEAPPSAAAA AAAAAAAAAA
Predicted Reactivity:	Dog: 83%, Human: 100%, Mouse: 92%
Characteristics:	This is a rabbit polyclonal antibody against HOXA13. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	HOXA13
Alternative Name:	HOXA13 (HOXA13 Products)

Target Details

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. 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. Expansion of a polyalanine tract in the encoded protein can cause hand-foot-uterus syndrome, also known as hand-foot-genital syndrome. 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. Expansion of a polyalanine tract in the encoded protein can cause hand-foot-uterus syndrome, also known as hand-foot-genital syndrome. Alias Symbols: HOX1, HOX1J Protein Interaction Partner: UBC, MEIS3, SMAD5, MEIS2, MEIS1, SMAD1, SMAD2, Protein Size: 388
Molecular Weight:	40 kDa
Gene ID:	3209
NCBI Accession:	NM_000522, NP_000513
UniProt:	P31271

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 388 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

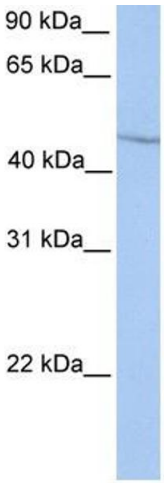
Handling

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:	Mitkus, Hyde, Vakkalanka, Kolachana, Weinberger, Kleinman, Lipska: "Expression of oligodendrocyte-associated genes in dorsolateral prefrontal cortex of patients with schizophrenia." in: **Schizophrenia research**, Vol. 98, Issue 1-3, pp. 129-38, (2007) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-HOXA13 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Jurkat cell lysate