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Rabbit Anti-HOXA4 antibody

SL11293R

Product Name:	HOXA4
Chinese Name:	同源盒基因HOXA4蛋白抗体
Alias:	Dfd like protein; Homeo box A4; Homeobox A4; Homeobox protein Hox-1.4; Homeobox protein Hox-1D; Homeobox protein Hox-A4; Hox 1.4 like protein; hox-1.4; hox-1d; HOX1; HOX1D; HOXA4; HXA4_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	34kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HOXA4:151-250/320
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The Hox homeobox genes encode proteins that are transcriptional regulators with an established role in embryonic development. HoxA4 (homeobox A4), also known as HOX1D or HOX1, is a 320 amino acid protein that localizes to the nucleus and contains one homeobox DNA-binding domain. Expressed in the embryonic nervous system, HoxA4 functions as a sequence-specific DNA-binding transcription factor that is part of

a regulatory mechanism that provides cells with positional identities during development. Via its ability to bind DNA, HoxA4 plays an important role in the regulation of gene expression, as well as morphogenesis and differentiation. The gene encoding HoxA4 maps to human chromosome 7, which houses over 1,000 genes and comprises nearly 5% of the human genome. Defects in some of the genes localized to chromosome 7 have been linked to Osteogenesis imperfecta, Williams-Beuren syndrome, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome.

Function:
Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Binds to sites in the 5'-flanking sequence of its coding region with various affinities. The consensus sequences of the high and low affinity binding sites are 5'-TAATGA[CG]-3' and 5'-CTAATTTT-3'.

Subcellular Location:
Nucleus.

Tissue Specificity:
Embryonic nervous system.

Similarity:
Belongs to the Antp homeobox family. Deformed subfamily.
Contains 1 homeobox DNA-binding domain.

SWISS:
Q00056

Gene ID:
3201

Database links:

Entrez Gene: 3201Human

Entrez Gene: 15401Mouse

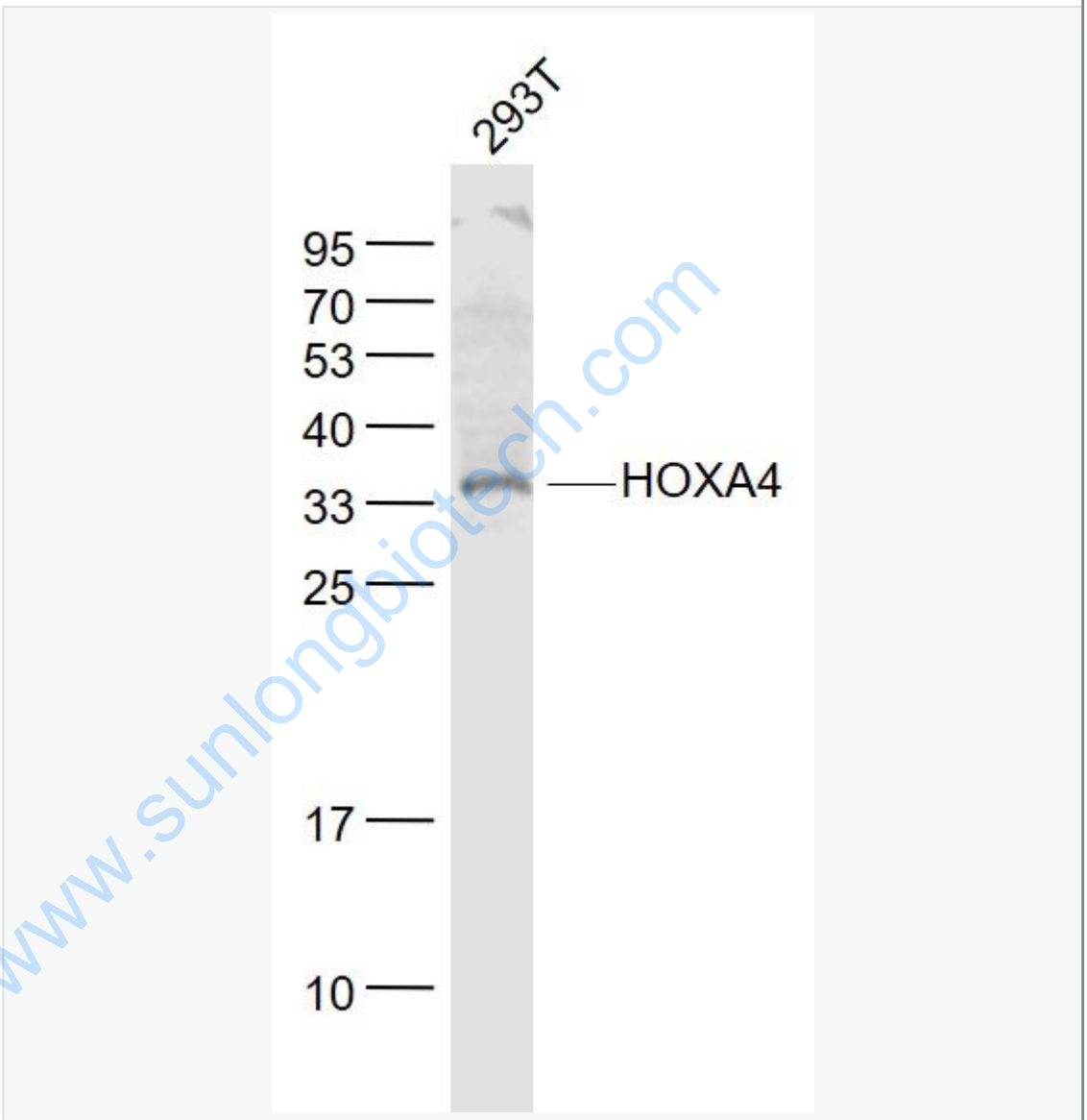
Entrez Gene: 24453Rat

Omim: 142953Human

SwissProt: Q00056Human

SwissProt: P06798Mouse

SwissProt: P09635Rat

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: 293T(Human) Cell Lysate at 30 ug Primary: Anti- HOXA4 (SL11293R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

	Predicted band size: 34 kD Observed band size: 34 kD