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[Marker Primary Antibody]

Rabbit Anti-HOXC5/HRP Conjugated antibody

Catalog Number: SL11589R-HRP

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-HOXC5/HRP
Immunogen:	KLH conjugated synthetic peptide derived from human HOXC5 (151-222aa)
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	WB=1:500-2000 ELISA=1:100-1000 IHC-P=1:50-200 IHC-F=1:50-200 ICC=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Dog,Cow,Sheep)
Background:	background: The Hox homeobox genes encode proteins that are transcriptional regulators with an established role in embryonic development. HoxC5 is a 222 amino acid protein that localizes to the nucleus and contains one homeobox DNA-binding domain. Existing as multiple alternatively spliced isoforms, HoxC5 functions as a sequence-specific DNA-binding transcription factor that is part of a regulatory mechanism that provides cells with positional identities during development. The gene encoding HoxC5 maps to a cluster of Hox proteins on chromosome 12 that are essential for morphogenesis. Encoding over 1,100 genes within 132 million bases, chromosome 12 makes up about 4.5% of the human genome. A number of skeletal deformities are linked to chromosome 12, including hypochondrogenesis, achondrogenesis and Kniest dysplasia. **Function:** Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional

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	identities on the anterior-posterior axis. **Subcellular Location:** Nucleus. **Similarity:** Belongs to the Antp homeobox family. Contains 1 homeobox DNA-binding domain. **Database links:** UniProtKB/Swiss-Prot: Q00444.1 Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.