



Rabbit Anti-HOXC5 antibody

SL11589R

Product Name:	HOXC5
Chinese Name:	同源盒蛋白HOXC5抗体
Alias:	CP11; homeo box C5; homeobox C5; Homeobox protein CP11; homeobox protein Hox C5; Homeobox protein Hox-3D; Homeobox protein Hox-C5; Hox 3D; HOXC3; HOXC3D; HOXC5; HXC5_HUMAN; OTTHUMP00000217386.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,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:	25kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HOXC5:151-222/222
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. 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 identities on the anterior-posterior axis.

Subcellular Location:

Nucleus.

Similarity:

Belongs to the Antp homeobox family.
Contains 1 homeobox DNA-binding domain.

SWISS:

Q00444

Gene ID:

3222

Database links:

[Entrez Gene: 3222](#)Human

[Entrez Gene: 15424](#)Mouse

[Entrez Gene: 315341](#)Rat

[Omim: 142973](#)Human

[SwissProt: Q00444](#)Human

[SwissProt: P32043](#)Mouse

[Unigene: 549040](#)Human

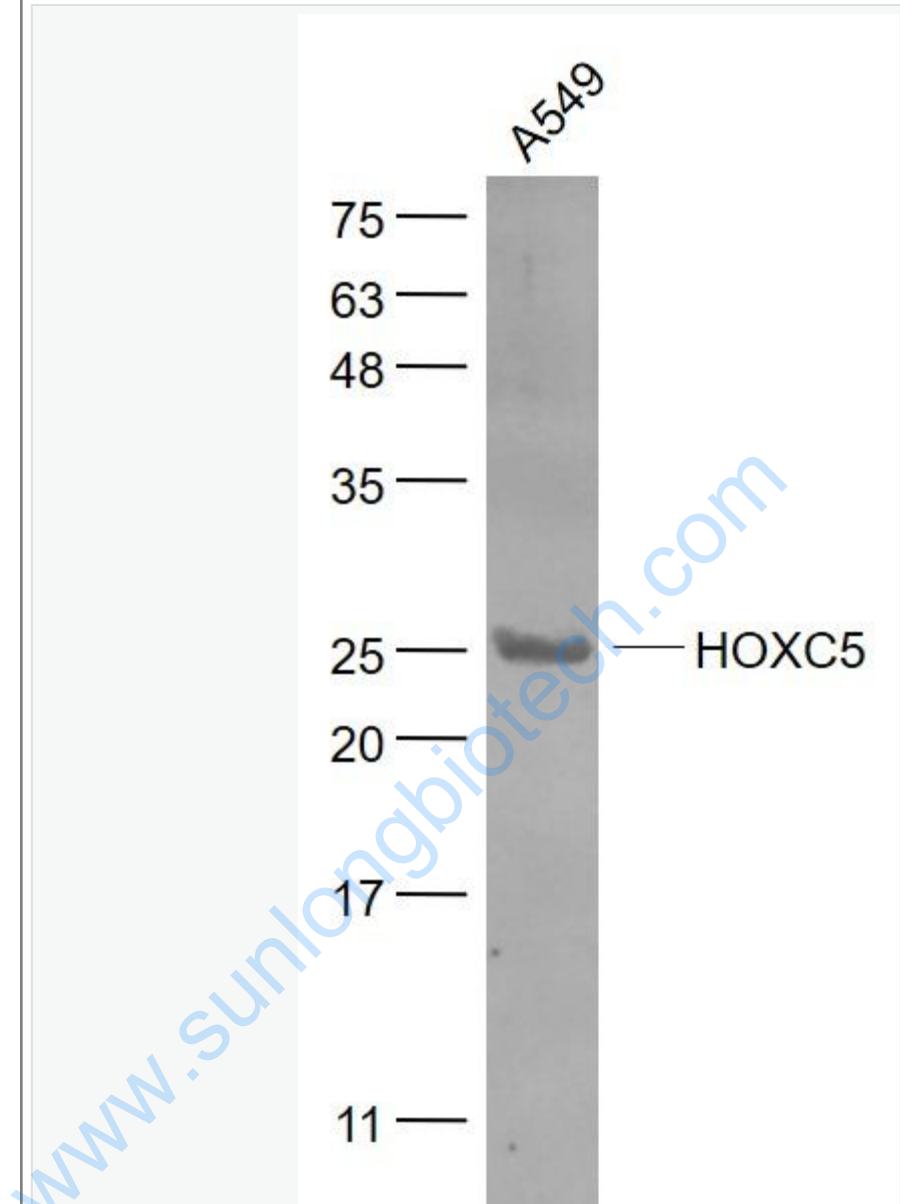
[Unigene: 103825](#)Mouse

[Unigene: 152771](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

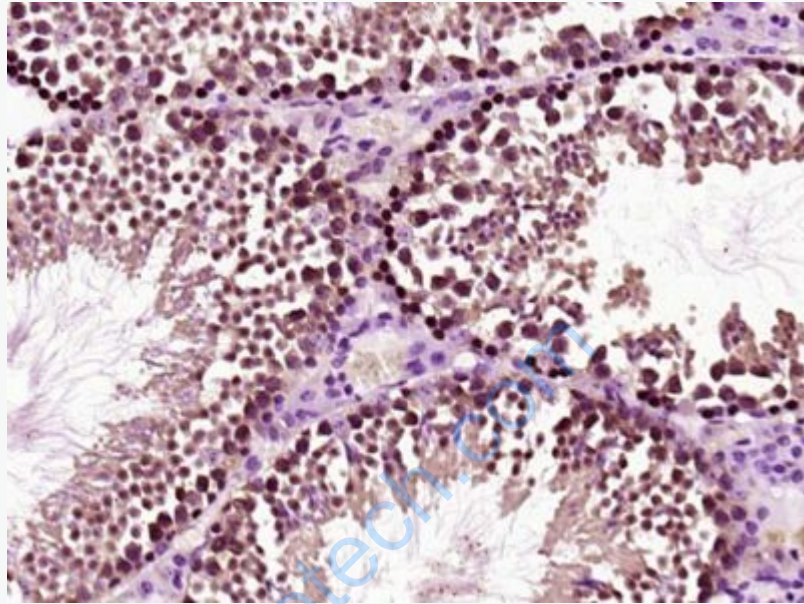
A549(Human) Cell Lysate at 30 ug

Primary: Anti- HOXC5 (SL11589R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 25 kD

Observed band size: 25 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HOXC5) Polyclonal Antibody, Unconjugated (SL11589R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.