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HOXc8 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54196

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P31273
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27755
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HOXc8
Epitope Specificity	51-130/242
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
SIMILARITY	Belongs to the Antp homeobox family. Contains 1 homeobox DNA-binding domain.
SUBUNIT	Interacts with SMAD1 and HOMEZ.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, which are located on different chromosomes and consist of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXC genes located in a cluster on chromosome 12. The product of this gene may play a role in the regulation of cartilage differentiation. It could also be involved in chondrodysplasias or other cartilage disorders.

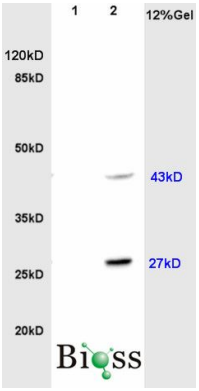
Additional Information

Gene ID	3224
Other Names	Homeobox protein Hox-C8, Homeobox protein Hox-3A, HOXC8, HOX3A
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

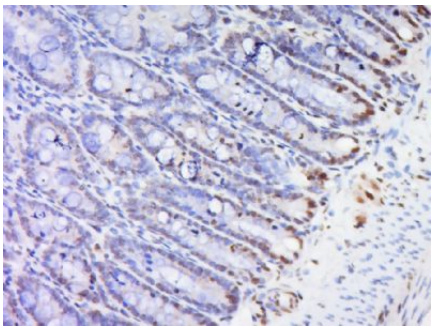
Protein Information

Name	HOXC8
Synonyms	HOX3A
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.
Cellular Location	Nucleus.

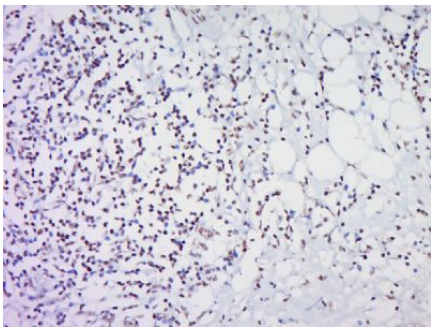
Images



Sample:
Brain(Rat) lysate at 30ug;
Liver(Rat) lysate at 30ug;
Primary: Anti-HOXc8 (AP54196) at 1:200;
Secondary: HRP conjugated Goat-Anti-Rabbit IgG(bse-0295G) at 1: 3000;
Predicted band size : 27kD
Observed band size : 27kD, 43kD

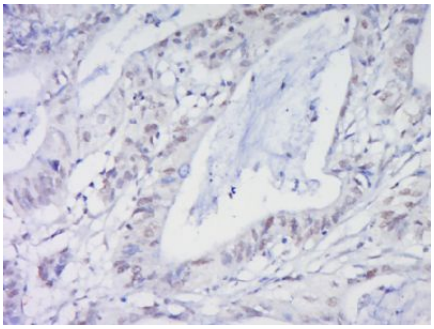


Paraformaldehyde-fixed, paraffin embedded Rat small intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer normal goat serum at 37°C for 30min; Antibody incubation with (Hox-3.1) Polyclonal Antibody, Unconjugated (AP54196) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

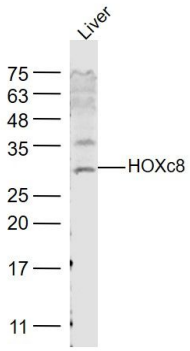


Paraformaldehyde-fixed, paraffin embedded (Human cervical cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Hox-3.1) Polyclonal Antibody, Unconjugated (AP54196) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Paraformaldehyde-fixed, paraffin embedded (Human cervical cancer); 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 (Histone H3) Polyclonal Antibody, Unconjugated (AP54196) at 1:500 overnight at



4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Sample:
Liver(Rat) Lysate at 40 ug
Primary: Anti-HOXc8 (AP54196) at 1/500 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 27 kD
Observed band size: 27 kD