

Anti-HOXc8 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse,Pig,Cow,Horse)
Molecular Weight:	Theoretical: 27 kDa. Actual: 27 kDa.
Purification:	Protein A purified

Applications

1. Sample: liver (Rat) Lysate at 40 µg
Primary: Anti-HOXc8 (TMAB-07254) at 1/500 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 27 kD
Observed band size: 27 kD

2. Sample:

Brain (Rat) lysate at 30 µg;
liver (Rat) lysate at 30 µg;
Primary: Anti-HOXc8 (TMAB-07254) at 1: 200;
Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 3000;
Predicted band size: 27 kD
Observed band size: 27 kD, 43 kD

Verified Activity:

3. Paraformaldehyde-fixed, paraffin embedded Rat small intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer normal goat serum at 37°C for 30 min; Antibody incubation with (Hox-3.1) Polyclonal Antibody, Unconjugated (TMAB-07254) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.

4. Paraformaldehyde-fixed, paraffin embedded (Human cervical cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Hox-3.1) Polyclonal Antibody, Unconjugated (TMAB-07254) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.

5. Paraformaldehyde-fixed, paraffin embedded (Human cervical cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Histone H3) Polyclonal Antibody, Unconjugated (TMAB-07254) at 1: 500 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.

Application: WB,IHC-P,IHC-Fr,IF

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human HOXc8

Antigen Species: Human

Gene ID: 3224

Uniprot ID: P31273

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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