

Anti-ODC1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Dog,Pig,Cow,Horse)
Molecular Weight:	Theoretical: 51 kDa. Actual: 51 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (rat stomach tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (ODC) Polyclonal Antibody, Unconjugated (TMAB-01282) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.

2. Sample: Kidney (Mouse) lysate at 30 µg;

Primary: Anti-ODc (TMAB-01282) at 1:300 dilution;

Secondary: HRP conjugated Goat-Anti-rabbit Igg (secondary antibody) at 1: 5000 dilution;

Predicted band size:51 kDa

Observed band size:51 kDa

3. Sample: Liver (Mouse) lysate at 30 µg;

Primary: Anti-ODc (TMAB-01282) at 1:300 dilution;

Verified Activity: Secondary: AP conjugated Goat Anti-Rabbit Igg at 1: 5000 dilution;

Predicted band size: 51 kDa

Observed band size: 51 kDa

4. Sample: Kidney (Mouse) lysate at 30 µg;

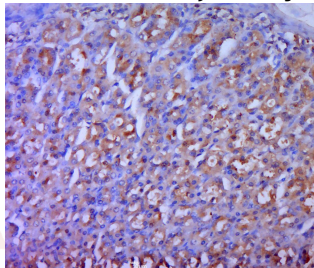
Primary: Anti-ODc (TMAB-01282) at 1:300 dilution;

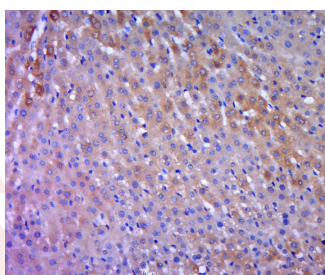
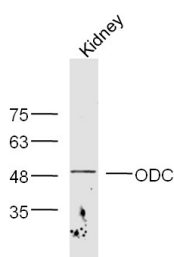
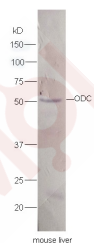
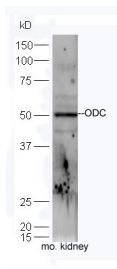
Secondary: HRP conjugated Goat-Anti-rabbit Igg (secondary antibody) at 1: 5000 dilution;

Predicted band size:51 kDa

Observed band size:51 kDa

5. Paraformaldehyde-fixed, paraffin embedded (rat liver tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (ODC) Polyclonal Antibody, Unconjugated (TMAB-01282) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.





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

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

Properties

Stability & Storage: 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 ODC1

Antigen Species: Human

Gene ID: 4953

Uniprot ID: P11926

Synonyms: ODC1;Ornithine decarboxylase

Biology Area: Amino acid metabolism,Amino Acids

Research Background

Ornithine Decarboxylase (ODC) is the initial and rate limiting enzyme in the biosynthetic pathway of polyamines and is involved in the conversion of ornithine to putrescine. The biological activity of ODC is rapidly induced in response to virtually all agents known to promote cell proliferation including hormones, drugs, growth factors, mitogens, and tumor promoters. Reportedly, ODC mRNA levels are elevated in lung carcinomas as well as in colon adenomas and carcinomas. ODC activity in colorectal carcinomas is greater than those in adenomas and normal mucosa.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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