

Anti-Gbx1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Chicken,Dog,Pig,Rabbit,Sheep,Fruit Fly,Chimpanzee)
Molecular Weight:	Theoretical: 38 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Blank control (blue): RSC96 (fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice). Primary Antibody: Rabbit Anti-Gbx1 antibody (TMAB-06368), Dilution: 1 µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG (orange), used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE (white blue), Dilution: 1: 200 in 1 X PBS containing 0.5% BSA.</p> <p>2. Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (Gbx1) Polyclonal Antibody, Unconjugated (TMAB-06368) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p>
	Application:
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1µg/Test

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 Gbx1
Antigen Species:	Human
Gene ID:	2636
Uniprot ID:	Q14549

Research Background

The homeobox is DNA sequence that is approximately 180 base pairs long that is involved in all steps of the developmental regulation of animals, fungi and plants, from embryogenesis to cell differentiation. The homeobox encodes a protein domain of about 60 amino acids, called the homeodomain, that can bind to DNA. The gastrulation brain homeobox 1 (GBX1) gene, along with another homeobox gene (EN2), maps to chromosome 7q36, and is expressed in septal and pallidal areas and in the basal forebrain cholinergic system, an area implicated in Alzheimer's disease. The GBX1 gene encodes the GBX1 protein, which localizes to the nucleus and contains 1 homeobox DNA-binding domain.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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