

Anti-HMBOX1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Zebrafish,Sheep)
Molecular Weight:	Theoretical: 47 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	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 (HMBOX1) Polyclonal Antibody, Unconjugated (TMAB-07175) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody for 20 minutes and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	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 HMBOX1
Antigen Species:	Human
Gene ID:	79618
Uniprot ID:	Q6NT76

Research Background

HMBOX1 is a 420 amino acid nuclear protein that contains one homeobox DNA-binding domain and is thought to function as a putative transcription factor. HMBOX1 is expressed as three alternatively spliced isoforms and is encoded by a gene which maps to human chromosome 8. Consisting of nearly 146 million base pairs, chromosome 8 encodes over 800 genes and is associated with a variety of diseases and malignancies. Schizophrenia, bipolar disorder, Trisomy 8, Pfeiffer syndrome, congenital hypothyroidism, Waardenburg syndrome and some leukemias and lymphomas are thought to occur as a result of defects in specific genes that maps to chromosome 8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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