

Anti-FOG1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat)
Molecular Weight:	Theoretical: 105 kDa. Actual: 105 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Tissue/cell: human esophageal carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-FOG1 Polyclonal Antibody, Unconjugated (TMAB-06101) 1:400, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
	2. Sample: Cerebellum (Mouse) Lysate at 40 µg Cerebrum (Mouse) Lysate at 40 µg Primary: Anti-FOG1 (TMAB-06101) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 105 kD Observed band size: 105 kD
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 FOG1
Antigen Species:	Human
Gene ID:	161882
Uniprot ID:	Q8IX07

Research Background

Transcription regulator that plays an essential role in erythroid and megakaryocytic cell differentiation. Essential cofactor that acts via the formation of a heterodimer with transcription factors of the GATA family GATA1, GATA2 and GATA3. Such heterodimer can both activate or repress transcriptional activity, depending on the cell and promoter context. The heterodimer formed with GATA proteins is essential to activate expression of genes such as NFE2, ITGA2B, alpha- and beta-globin, while it represses expression of KLF1. May be involved in regulation of some genes

in gonads. May also be involved in cardiac development, in a non-redundant way with ZFPM2/FOG2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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