

Anti-GDF9 Polyclonal Antibody

Product Details

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| Ig Type: | IgG |
| Reactivity: | Human,Mouse,Rat (predicted:Chicken,Dog,Pig,Cow,Horse,Sheep) |
| Molecular Weight: | Theoretical: 15 kDa. Actual: 50 kDa. |
| Purification: | Protein A purified |

Applications

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| Verified Activity: | <p>1. Blank control (Black line): Molt4 (Black). Primary Antibody (green line): Rabbit Anti-GDF9 antibody (TMAB-06409) Dilution: 3 µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647 Dilution: 3 µg /test. Protocol The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.</p> <p>2. Sample: Ovary (Mouse) Lysate at 40 µg Primary: Anti-GDF9 (TMAB-06409) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 15 kD Observed band size: 50 kD</p> <p>3. Paraformaldehyde-fixed, paraffin embedded (Rat ovarian); 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 (GDF9) Polyclonal Antibody, Unconjugated (TMAB-06409) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p> <p>4. Blank control: Molt-4. Primary Antibody (green line): Rabbit Anti-GDF9 antibody Dilution: 0.2 µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-PE Dilution: 0.2 µg /test. Protocol The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.</p> |
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A DRUG SCREENING EXPERT

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

Recommended WB: 1:500-2000; 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 GDF9

Antigen Species: Human

Gene ID: 2661

Uniprot ID: O60383

Research Background

GDF 9 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell synthesized by ovarian somatic cells directly affect oocyte growth and function. GDF 9 is expressed in oocytes and is thought to be required for ovarian folliculogenesis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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