

## GDF-9 (E322) polyclonal antibody

Catalog: BS2929

Host: Rabbit

Reactivity: Human, Mouse, Rat

### 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 growth and differentiation in both embryonic and adult tissues. Growth factors 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.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 51 kDa

### Swiss-Prot:

O60383

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

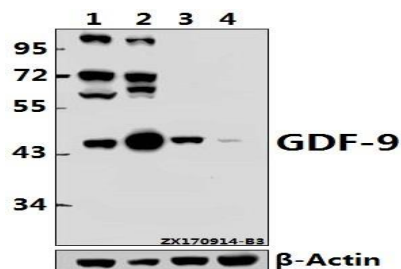
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

GDF-9 (E322) polyclonal antibody detects endogenous levels of GDF-9 protein.

### DATA:



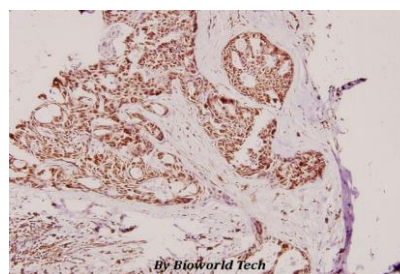
Western blot (WB) analysis of GDF-9 (E322) pAb at 1:500 dilution

Lane1:A2780 whole cell lysate(20ug)

Lane2:HEK292T whole cell lysate(20ug)

Lane3:MEF whole cell lysate(20ug)

Lane4:The Ovary tissue lysate of Rat(40ug)



Immunohistochemistry (IHC) analyzes of GDF-9 (E322) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

For research use only, not for use in diagnostic procedure.

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