

Datasheet for ABIN950667
anti-GDF5 antibody (C-Term)

2 Images

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Overview

Quantity:	0.4 mL
Target:	GDF5
Binding Specificity:	AA 350-379, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GDF5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	conjugated synthetic peptide between 350-379 amino acids from the C-terminal region of human BMP14 / GDF5
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human BMP14 / GDF5 (C-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	GDF5
Alternative Name:	BMP14 / GDF5 (GDF5 Products)

Target Details

Background: The protein encoded by this gene 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. Mutations in this gene are associated with acromesomelic dysplasia, Hunter-Thompson type, brachydactyly, type C, and chondrodysplasia, Grebe type. These associations confirm that the gene product plays a role in skeletal development. Synonyms: Bone Morphogenetic Protein 14, CDMP1, Cartilage-derived morphogenetic protein 1, GDF-5, Growth/differentiation factor 5, Radotermin

Molecular Weight: 55411 Da

Gene ID: 8200

NCBI Accession: [NP_000548](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

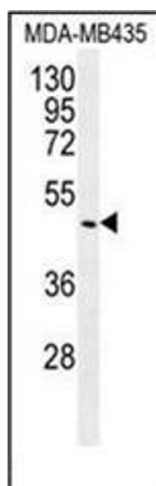
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

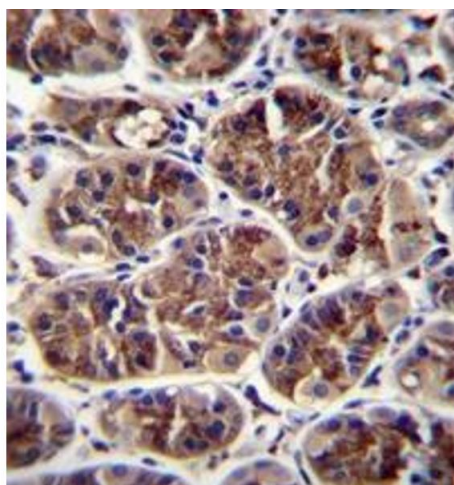
Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of BMP14 / GDF5 Antibody (C-term) in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the GDF5 antibody detected the GDF5 protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue reacted with BMP14 / GDF5 Antibody (C-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.