# Datasheet for ABIN650696

## anti-GDF10 antibody (AA 317-344)

### Overview

<table>
<thead>
<tr>
<th>Quantity</th>
<th>400 μL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target</td>
<td>GDF10</td>
</tr>
<tr>
<td>Binding Specificity</td>
<td>AA 317-344</td>
</tr>
<tr>
<td>Reactivity</td>
<td>Human, Mouse</td>
</tr>
<tr>
<td>Host</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Conjugate</td>
<td>This GDF10 antibody is un-conjugated</td>
</tr>
<tr>
<td>Application</td>
<td>Western Blotting (WB), Flow Cytometry (FACS)</td>
</tr>
</tbody>
</table>

### Product Details

**Immunogen:**
This GDF10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 317-344 amino acids from the Central region of human GDF10.

**Clone:**
RB21499

**Isotype:**
Ig Fraction

**Predicted Reactivity:**
B

**Purification:**
This antibody is purified through a protein A column, followed by peptide affinity purification.

### Target Details

<table>
<thead>
<tr>
<th>Target</th>
<th>GDF10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alternative Name</td>
<td>GDF10 (GDF10 Products)</td>
</tr>
</tbody>
</table>
Target Details

Background: GDF10 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. Studies in mice suggest that the protein encoded by this gene plays a role in skeletal morphogenesis.

Molecular Weight: 53122
Gene ID: 2662
NCBI Accession: NP_004953
UniProt: P55107

Application Details

Application Notes: WB: 1:1000. FC: 1:10~50
Restrictions: For Research Use only

Handling

Format: Liquid
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative: Sodium azide
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage: 4 °C,-20 °C
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date: 6 months
Flow Cytometry

**Image 1.** Flow cytometric analysis of K562 cells using GDF10 Antibody (Center) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

**Image 2.** Western blot analysis of GDF10 Antibody (Center) (ABIN650696 and ABIN2839132) in NIH-3T3 cell line lysates (35 μg/lane). GDF10 (arrow) was detected using the purified Pab.