

**GDF-3 Polyclonal Antibody**  
**Catalog # AP73829****Specification**

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**GDF-3 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q9NR23</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

**GDF-3 Polyclonal Antibody - Additional Information****Gene ID** 9573**Other Names**

GDF3; Growth/differentiation factor 3; GDF-3

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**GDF-3 Polyclonal Antibody - Protein Information****Name** GDF3**Function**

Growth factor involved in early embryonic development and adipose-tissue homeostasis. During embryogenesis controls formation of anterior visceral endoderm and mesoderm and the establishment of anterior-posterior identity through a receptor complex comprising the receptor ACVR1B and the coreceptor CRIPTO (By similarity). Regulates adipose-tissue homeostasis and energy balance under nutrient overload in part by signaling through the receptor complex based on ACVR1C and CRIPTO/Cripto (PubMed:<a href="http://www.uniprot.org/citations/21805089" target="\_blank">21805089</a>).

**Cellular Location**

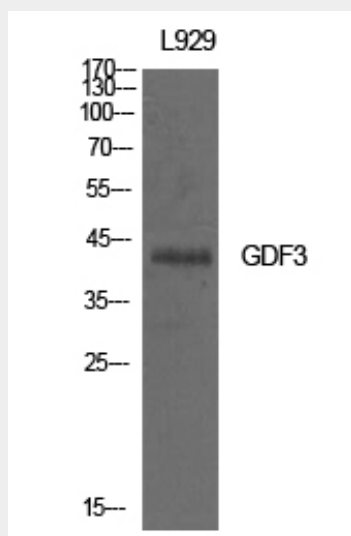
Secreted. Cytoplasm. Note=Mainly accumulated in the cytoplasm

**GDF-3 Polyclonal Antibody - Protocols**

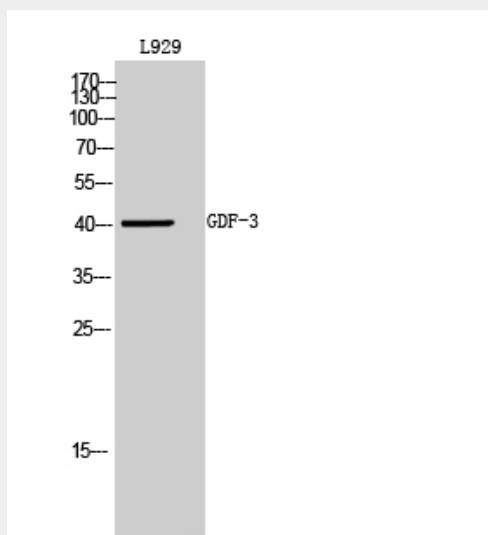
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

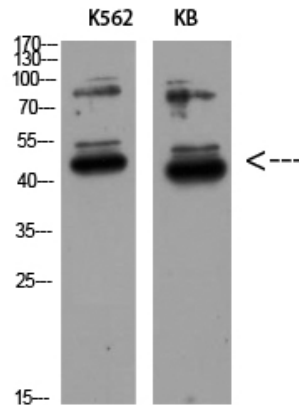
## GDF-3 Polyclonal Antibody - Images



Western Blot analysis of L929 cells using GDF-3 Polyclonal Antibody. Antibody was diluted at 1:500. Secondary antibody was diluted at 1:20000



Western Blot analysis of L929 cells using GDF-3 Polyclonal Antibody diluted at 1:500. Secondary antibody was diluted at 1:20000



Western Blot analysis of K562 KB using GDF-3 Polyclonal Antibody diluted at 1:500. Secondary antibody was diluted at 1:20000

### **GDF-3 Polyclonal Antibody - Background**

Growth factor involved in early embryonic development and adipose-tissue homeostasis. During embryogenesis controls formation of anterior visceral endoderm and mesoderm and the establishment of anterior-posterior identity through a receptor complex comprising the receptor ACVR1B and the coreceptor TDGF1/Cripto (By similarity). Regulates adipose-tissue homeostasis and energy balance under nutrient overload in part by signaling through the receptor complex based on ACVR1C and TDGF1/Cripto (PubMed:21805089).