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Datasheet for ABIN3016573  
**anti-GDF9 antibody (AA 205-454)**

3 Images

Overview

Quantity:	100 µL
Target:	GDF9
Binding Specificity:	AA 205-454
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GDF9 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 205-454 of human GDF9 (NP_005251.1).
Sequence:	FGKKHKWIQI DVTSLQLPLV ASNKRSIHMS INFTCMKDQL EHPSAQNGLF NMTLVSPSLI LYLNDSQAQA YHSWYSLHYK RRPSQGPDQE RLSAYPVGE EAAEDGRSSH HRHRRGQETV SSELKKPLGP ASFNLSEYFR QFLLPQNECE LHDFRLSFSQ LKWDNWIVAP HRYNPRYCKG DCPRAVGHRY GSPVHTMVQN IIEKLDSSV PRPSCVPAKY SPLSVLTIEP DGSIAYKEYE DMIATKCTCR
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	GDF9
Alternative Name:	GDF9 ( <a href="#">GDF9 Products</a> )
Background:	<p>This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein regulates ovarian function. Reduced expression of this gene may be associated with polycystic ovary syndrome and mutations in this gene may be more common in mothers of dizygotic twins.,GDF9,Signal Transduction,Cell Biology &amp; Developmental Biology,Growth factor,Immunology &amp; Inflammation,Cytokines,Stem Cells,Cardiovascular,Angiogenesis,GDF9</p>
Molecular Weight:	51 kDa
Gene ID:	2661
UniProt:	<a href="#">O60383</a>

## Application Details

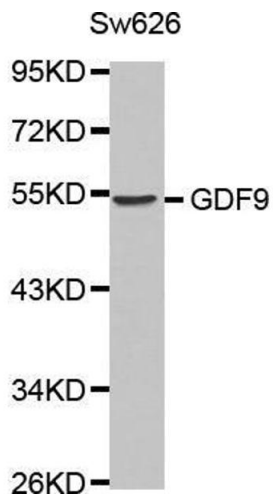
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Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

## Handling

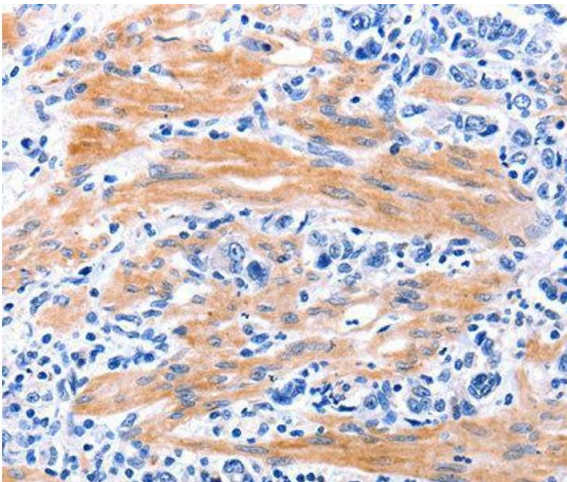
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Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



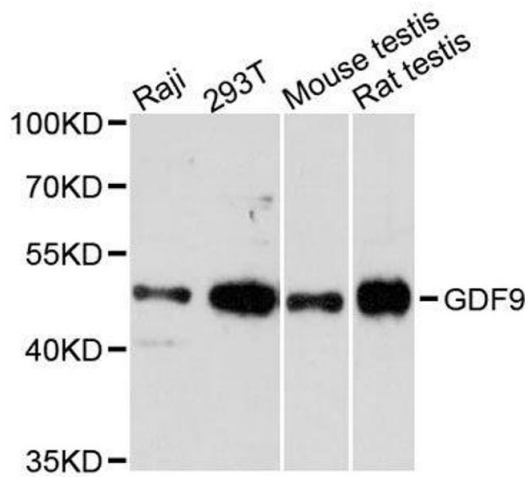
### Western Blotting

**Image 1.** Western blot analysis of extracts of Sw626 cell line, using GDF9 antibody.



### Immunohistochemistry

**Image 2.**



### Western Blotting

**Image 3.** Western blot analysis of extracts of various cell lines, using GDF9 antibody.