

Product datasheet for **AP51813PU-N**

GDF 9 (GDF9) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Immunohistochemistry on Paraffin Sections: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 87-117 amino acids from the N-terminal region of Human GDF9
Specificity:	This antibody recognizes Human GDF9 (N-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	growth differentiation factor 9
Database Link:	Entrez Gene 2661 Human O60383
Background:	Growth factors synthesized by ovarian somatic cells directly affect oocyte growth and function. Growth differentiation factor-9 (GDF9) is expressed in oocytes and is thought to be required for ovarian folliculogenesis. GDF9 is a member of the transforming growth factor-beta superfamily.



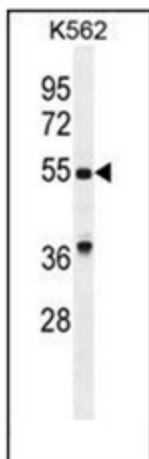
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Synonyms: Growth/differentiation factor 9, GDF-9

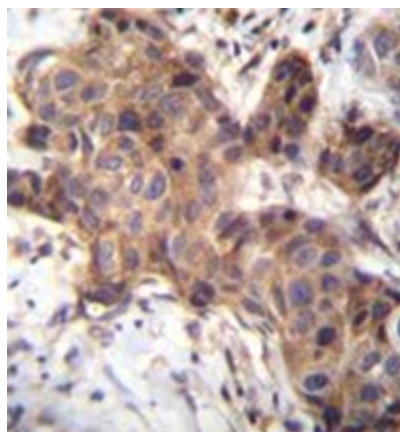
Note: **Molecular Weight:** 51444 Da

Protein Families: Adult stem cells, Cancer stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Secreted Protein, Stem cell - Pluripotency, Stem cell relevant signaling - TGFb/BMP signaling pathway, Transmembrane

Product images:



Western blot analysis of GDF9 Antibody (N-term) in K562 cell line lysates (35ug/lane). This demonstrates the GDF9 antibody detected the GDF9 protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma reacted with GDF9 Antibody (N-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.