

## Product datasheet for **PP1227P2**

### GDF3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>Indirect ELISA:</b> To detect hGDF-3 by direct ELISA (using 100 µl/well antibody solution) a concentration of at least 0.5 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2-0.4 ng/well of recombinant hGDF-3. <b>Sandwich ELISA:</b> To detect hGDF-3 by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Human GDF-3 (PP1227B1, PP1227B2) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant hGDF-3. <b>Western blot:</b> To detect hGDF-3 by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hGDF-3 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) recombinant hGDF-3 (human GDF-3)
Specificity:	This antibody is specific to GDF3.
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized (Sterile filtered) purified Ig fraction.
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography.
Conjugation:	Unconjugated
Storage:	tore lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.



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<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	growth differentiation factor 3
<b>Database Link:</b>	<a href="#">Entrez Gene 9573 Human</a> <a href="#">Q9NR23</a>
<b>Background:</b>	GDF3 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. The function of this protein is unknown, but expression studies suggest it may be involved in regulation of the adult lymphatic and erythroid systems and embryonic development.
<b>Synonyms:</b>	Growth/differentiation factor 3, GDF-3
<b>Note:</b>	Centrifuge vial prior to opening.