

## Product datasheet for **AP01123PU-N**

### FGF4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<p><b>Indirect ELISA:</b> To detect FGF-4 by indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml is required. In conjunction with compatible secondary reagents, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant FGF-4.</p> <p><b>Sandwich ELISA:</b> To detect FGF-4 by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml is required. In conjunction with Biotinylated Anti-Human FGF-4 as a detection antibody, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant FGF-4.</p> <p><b>Western Blot:</b> To detect FGF-4 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 FGF-4 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.</p>
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (> 98 %) recombinant human FGF-4
Specificity:	This antibody detects FGF-4.
Formulation:	<p>PBS, pH 7.2</p> <p>State: Aff - Purified</p> <p>State: Sterile filtered lyophilized Ig fraction</p>
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile water to a concentration of 0.1 - 1.0 mg/ml.
Purification:	Immunoaffinity chromatography
Conjugation:	Unconjugated
Storage:	<p>Store lyophilized at 2-8°C for 6 months or at -20°C long term.</p> <p>After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.</p> <p>Avoid repeated freezing and thawing.</p>
Stability:	Shelf life: one year from despatch.



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<b>Gene Name:</b>	fibroblast growth factor 4
<b>Database Link:</b>	<a href="#">Entrez Gene 2249 Human P08620</a>
<b>Background:</b>	FGF4 is a heparin binding growth factor that is a member of the FGF family. Proteins of this family play a central role during prenatal development and postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF4 signals through the FGFR 1c, 2c, 3c, and 4.
<b>Synonyms:</b>	Fibroblast growth factor 4, HST-1, HST, HSTF1, KS3
<b>Protein Families:</b>	Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Secreted Protein, Stem cell relevant signaling - Wnt Signaling pathway, Transmembrane
<b>Protein Pathways:</b>	MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton