



Anti-FGF2 (aa 189-288) polyclonal antibody (DPAB-DC980)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. The mRNA for this gene contains multiple polyadenylation sites, and is alternatively translated from non-AUG (CUG) and AUG initiation codons, resulting in five different isoforms with distinct properties. The CUG-initiated isoforms are localized in the nucleus and are responsible for the intracrine effect, whereas, the AUG-initiated form is mostly cytosolic and is responsible for the paracrine and autocrine effects of this FGF.
Immunogen	FGF2 (NP_001997, 189 a.a. ~ 288 a.a) partial recombinant protein with GST tag. The sequence is SDPHIKLQLQAEERGVVSIKGVCANRYLAMKEDGRLLASKCVTDECFFERLESNNYNTY RSRKYTSWYVALKRTGQYKLGSKTGPGQKAILFLPMSAKS
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	FGF2 fibroblast growth factor 2 (basic) [Homo sapiens (human)]
Official Symbol	FGF2
Synonyms	FGF2; fibroblast growth factor 2 (basic); BFGF; FGFB; FGF-2; HBGF-2; fibroblast growth factor 2; prostatropin; heparin-binding growth factor 2; basic fibroblast growth factor bFGF;
Entrez Gene ID	2247
Protein Refseq	NP_001997
UniProt ID	P09038
Chromosome Location	4q26
Pathway	Activated point mutants of FGFR2; Angiogenesis; Cardiac Progenitor Differentiation; DAP12 interactions
Function	chemoattractant activity; cytokine activity; fibroblast growth factor binding; fibroblast growth factor receptor binding