

bsm-34016R**[Primary Antibody]**

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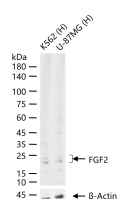
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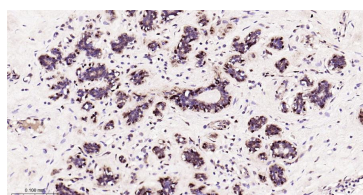
400-901-9800

FGF2 Recombinant Rabbit mAb**— DATASHEET —**

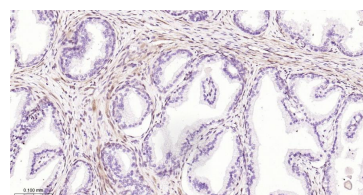
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1:50-100) Reactivity: Human, Mouse, Rat Predicted MW.: 31 kDa Subcellular Location: Secreted ,Nucleus
Clonality: Recombinant	CloneNo.: 5G8	
GeneID: 2247	SWISS: P09038	
Target: FGF2		
Immunogen: A synthesized peptide derived from human FGF2: 120-188.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C.		
Background: 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. [provided by RefSeq, Jul 2008].		

— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with FGF2 monoclonal antibody, unconjugated (bsm-34016R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Breast; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with FGF2 Monoclonal Antibody, Unconjugated (bsm-34016R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Prostate; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with FGF2 Monoclonal Antibody, Unconjugated (bsm-34016R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

— SELECTED CITATIONS —

- **[IF=12.6]** Jiang Dongfang. et al. Agomirs upregulating carboxypeptidase E expression rescue hippocampal neurogenesis and memory deficits in Alzheimer' s disease. TRANSL NEURODEGENER. 2024 Dec;13(1):1-21 WB ;Mouse. 38671492
- **[IF=4.5]** Jun Zhao. et al. Porous gelatin microspheres implanted with adipose mesenchymal stromal cells promote angiogenesis via protein kinase B/endothelial nitric oxide synthase signaling pathway in bladder reconstruction.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

CYTOTHERAPY. 2023 Oct;; WB ;Rat. 37804283