



FGFP1 Monoclonal Antibody

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| Catalog No | YP-mAb-06610 |
| Isotype | IgG |
| Reactivity | Human;Rat;Mouse; |
| Applications | WB |
| Gene Name | FGFBP1 FGFBP HBP17 |
| Protein Name | Fibroblast growth factor-binding protein 1 (FGF-BP) (FGF-BP1) (FGF-binding protein 1) (FGFBP-1) (17 kDa heparin-binding growth factor-binding protein) (17 kDa HBGF-binding protein) (HBp17) |
| Immunogen | Synthesized peptide derived from human protein . at AA range: 110-190 |
| Specificity | FGFP1 Monoclonal Antibody detects endogenous levels of protein. |
| Formulation | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. |
| Source | Monoclonal, Mouse,IgG |
| Purification | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | WB 1:500-1:2000 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | |
| Observed Band | 25kD |
| Cell Pathway | Secreted, extracellular space . Cell membrane ; Peripheral membrane protein . Extracellular and plasma membrane-associated. Colocalizes with HSPG2 in the pericellular environment of squamous cell carcinomas. . |
| Tissue Specificity | Expressed in the suprabasal region of the epidermis, in hair follicles, the basement membrane at the dermo-epidermal junction (occasionally extending into the basement membrane of dermal blood vessels), wounded skin and several invasive squamous cell carcinomas (at protein level). Expressed in normal and wounded skin and various squamous cell carcinomas. |
| Function | function:Acts as a carrier protein that release fibroblast-binding factors (FGFs) from the extracellular matrix (EM) storage and thus enhance the mitogenic activity of FGFs. Enhances FGF2 signaling during tissue repair, angiogenesis and in tumor growth.,induction:Up-regulated in epithelial cells after skin injury. Keratinocyte mitogens.,miscellaneous:Expression is significantly up-regulated in carcinogen-induced skin tumors, various squamous cell carcinomas, some colon cancer cell lines and tumors.,similarity:Belongs to the fibroblast growth factor-binding protein family.,subcellular location:Extracellular and plasma membrane-associated. Colocalizes with HSPG2 in the pericellular environment of squamous cell carcinomas.,subunit:Found in a complex with FGFBP1, FGF1 and |



FGF2. Interacts with FGF1, FGF2, FGF7, FGF10, FGF22 and HSPG2.,tissue specificity:Expressed in the suprabasal region of t

Background

This gene encodes a secreted fibroblast growth factor carrier protein. The encoded protein plays a critical role in cell proliferation, differentiation and migration by binding to fibroblast growth factors and potentiating their biological effects on target cells. The encoded protein may also play a role in tumor growth as an angiogenic switch molecule, and expression of this gene has been associated with several types of cancer including pancreatic and colorectal adenocarcinoma. A pseudogene of this gene is also located on the short arm of chromosome 4. [provided by RefSeq, Nov 2011],

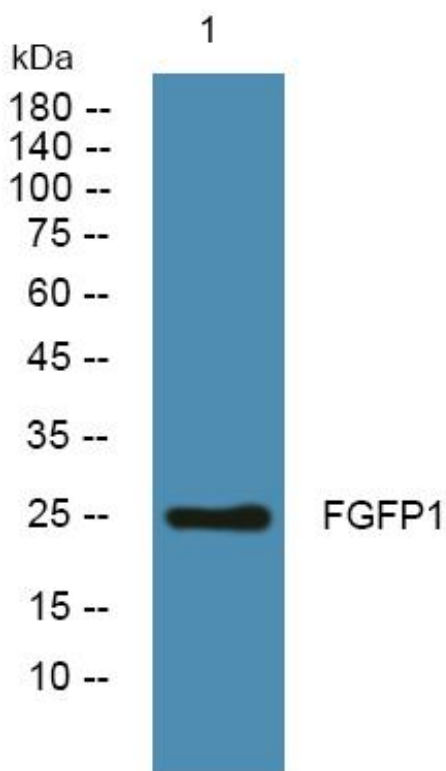
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using FGFP1 Monoclonal Antibody