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FGFBP1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56797

Specification

FGFBP1 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, E**
Primary Accession	Q14512
Reactivity	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**23 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human FGFBP**
Epitope Specificity	**151-234/234**
Isotype	**IgG**
Purity	
affinity purified by Protein A	
Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Secreted, extracellular space. Cell membrane; Peripheral membrane protein. Note=Extracellular and plasma membrane-associated. Colocalizes with HSPG2 in the pericellular environment of squamous cell carcinomas.**
SIMILARITY	**Belongs to the fibroblast growth factor-binding protein family.**
SUBUNIT	**Found in a complex with FGFBP1, FGF1 and FGF2. Interacts with FGF1, FGF2, FGF7, FGF10, FGF22 and HSPG2.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
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]

FGFBP1 Polyclonal Antibody - Additional Information

Gene ID 9982

Other Names
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, FGFBP1, FGFBP, HBP17

Target/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.

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. 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 ℃.

FGFBP1 Polyclonal Antibody - Protein Information

Name FGFBP1

Synonyms FGFBP, HBP17

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.

Cellular Location
Secreted, extracellular space. Cell membrane; Peripheral membrane protein. Note=Extracellular and plasma membrane- associated. Colocalizes with HSPG2 in the pericellular environment of squamous cell carcinomas.

Tissue Location
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

FGFBP1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

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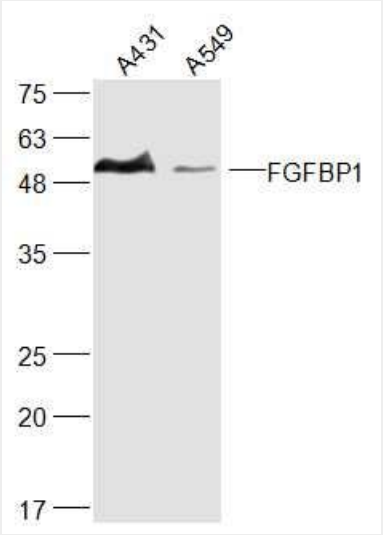
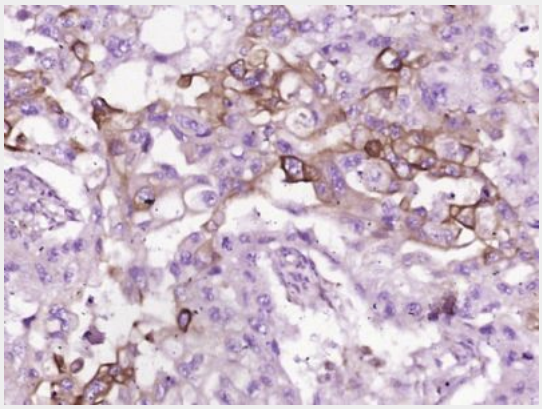
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FGFBP1 Polyclonal Antibody - Images



Sample:
A431(Human) Cell Lysate at 30 ug
Primary: Anti-FGFBP1 (bs-1768R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 28 kD
Observed band size: 50 kD



Paraformaldehyde-fixed, paraffin embedded (human skin cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FGFBP1) Polyclonal Antibody, Unconjugated (bs-1768R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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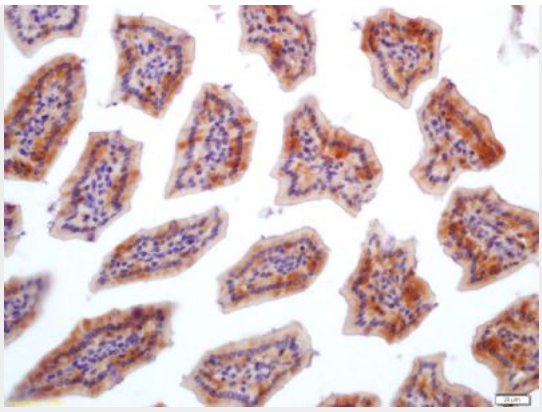
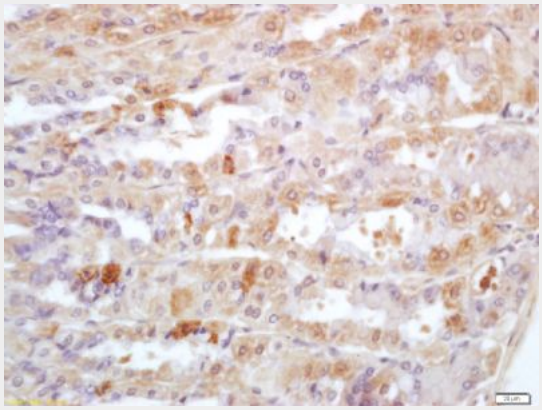


Tissue/cell: mouse intestine tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-FGFBP1 Polyclonal Antibody, Unconjugated(bs-1768R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: mouse stomach tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-FGFBP1 Polyclonal Antibody, Unconjugated(bs-1768R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining