

FGF7 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10193c**Specification**

FGF7 Antibody (Center) - Product Information

Application	WB, IHC-P,E
Primary Accession	P21781
Other Accession	Q02195 , P36363 , NP_002000.1 , P48808
Reactivity	Human
Predicted	Mouse, Rat, Sheep
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	22509
Antigen Region	57-86

FGF7 Antibody (Center) - Additional Information**Gene ID** 2252**Other Names**

Fibroblast growth factor 7, FGF-7, Heparin-binding growth factor 7, HBGF-7, Keratinocyte growth factor, FGF7, KGF

Target/Specificity

This FGF7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 57-86 amino acids from the Central region of human FGF7.

DilutionWB~~1:1000
IHC-P~~1:50~100**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

FGF7 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

FGF7 Antibody (Center) - Protein Information**Name** FGF7

Synonyms KGF

Function Plays an important role in the regulation of embryonic development, cell proliferation and cell differentiation. Required for normal branching morphogenesis. Growth factor active on keratinocytes. Possible major paracrine effector of normal epithelial cell proliferation.

Cellular Location

Secreted.

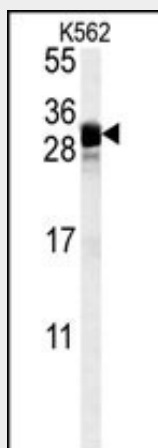
Tissue Location

Epithelial cell.

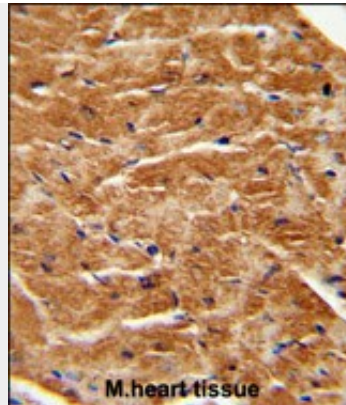
FGF7 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FGF7 Antibody (Center) - Images

FGF7 Antibody (Center) (Cat. #AP10193c) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the FGF7 antibody detected the FGF7 protein (arrow).



FGF7 antibody (Center) (Cat. #AP10193c) immunohistochemistry analysis in formalin fixed and paraffin embedded human M.heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FGF7 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

FGF7 Antibody (Center) - Background

The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein is a potent epithelial cell-specific growth factor, whose mitogenic activity is predominantly exhibited in keratinocytes but not in fibroblasts and endothelial cells. Studies of mouse and rat homologs of this gene implicated roles in morphogenesis of epithelium, reepithelialization of wounds, hair development and early lung organogenesis.

FGF7 Antibody (Center) - References

Lin, C.B., et al. J. Dermatol. Sci. 59(2):91-97(2010)
Bando, M., et al. Immunol. Cell Biol. 88(3):328-333(2010)
Wang, X., et al. Biomaterials 31(9):2542-2548(2010)
Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :
Aguilar, S., et al. PLoS ONE 4 (11), E8013 (2009) :