10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FGF10 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7975B

Product Information

Application	WB, IHC-P, E
Primary Accession	O15520
Other Accession	P70492, O35565
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	23436
Antigen Region	136-165

Additional Information

Gene ID	2255
Other Names	Fibroblast growth factor 10, FGF-10, Keratinocyte growth factor 2, FGF10
Target/Specificity	This FGF10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 136-165 amino acids from the C-terminal region of human FGF10.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. 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	FGF10 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FGF10
Function	Plays an important role in the regulation of embryonic development, cell proliferation and cell differentiation. Required for normal branching morphogenesis. May play a role in wound healing.

Cellular Location Secreted.

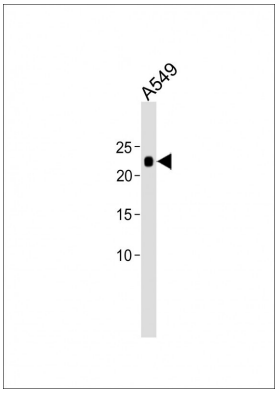
Background

FGF10 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 exhibits mitogenic activity for keratinizing epidermal cells, but essentially no activity for fibroblasts, which is similar to the biological activity of FGF7. Studies of the mouse homolog of suggested that this gene is required for embryonic epidermal morphogenesis including brain development, lung morphogenesis, and initiation of lim bud formation. This protein is also implicated to be a primary factor in the process of wound healing.

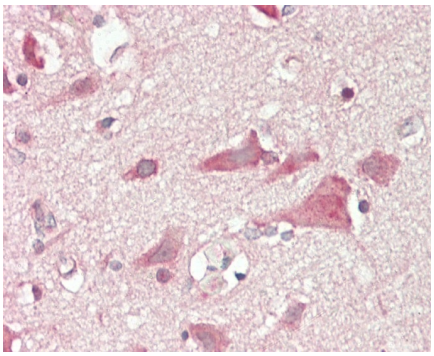
References

Nomura,S., Br. J. Cancer 99 (2), 305-313 (2008)
Belleudi,F., Traffic 8 (12), 1854-1872 (2007)
Igarashi,M., J. Biol. Chem. 273 (21), 13230-13235 (1998)

Images



All lanes: Anti-FGF10 Antibody (C-term) at 1:1000 dilution + A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 23 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded H.brain tissue reacted with FGF10 Antibody (C-term) (Cat#AP7975b).

Citations

- Maldevelopment of the submandibular gland in a mouse model of Apert syndrome.