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FGF10 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14681B

Product Information

Application	WB, E
Primary Accession	O15520
Other Accession	P70492, O35565, NP_004456.1
Reactivity	Human, Rat, Mouse
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34542
Calculated MW	23436
Antigen Region	168-197

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 168-197 amino acids from the C-terminal region of human FGF10.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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	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.

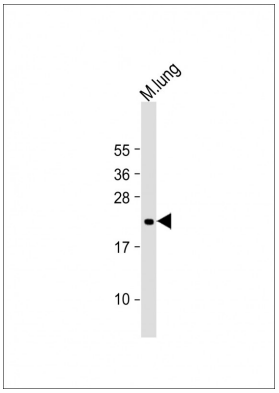
Background

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 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 gene is also implicated to be a primary factor in the process of wound healing.

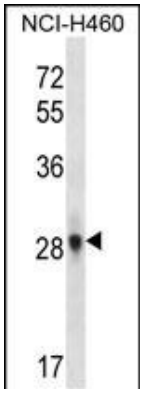
References

Stein, J.L., et al. Neuroimage 53(3):1160-1174(2010)
Mostowska, A., et al. Birth Defects Res. Part A Clin. Mol. Teratol. 88(7):538-545(2010)
Chattopadhyay, I., et al. Mutat. Res. 696(2):130-138(2010)
Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :
Yokoyama, K., et al. Nephron Clin Pract 115 (4), C237-C243 (2010) :

Images



Anti-FGF10 Antibody (C-term) at 1:2000 dilution + mouse lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 23 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



FGF10 Antibody (C-term) (Cat. #AP14681b) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the FGF10 antibody detected the FGF10 protein (arrow).