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KLB Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22050a

Product Information

Application	WB, E
Primary Accession	Q86Z14
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB55007
Calculated MW	119808

Additional Information

Gene ID	152831
Other Names	Beta-klotho, BKL, BetaKlotho, Klotho beta-like protein, KLB
Target/Specificity	This KLB antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1-29 amino acids from human KLB.
Dilution	WB~~1:2000 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	KLB Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KLB
Function	Contributes to the transcriptional repression of cholesterol 7-alpha-hydroxylase (CYP7A1), the rate-limiting enzyme in bile acid synthesis. Probably inactive as a glycosidase. Increases the ability of FGFR1 and FGFR4 to bind FGF21 (By similarity).
Cellular Location	Cell membrane; Single-pass type III membrane protein

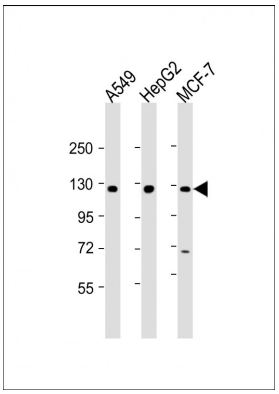
Background

Contributes to the transcriptional repression of cholesterol 7-alpha-hydroxylase (CYP7A1), the rate-limiting enzyme in bile acid synthesis. Probably inactive as a glycosidase. Increases the ability of FGFR1 and FGFR4 to bind FGF21 (By similarity).

References

Hayashi A.,et al.Submitted (FEB-2002) to the EMBL/GenBank/DDBJ databases.
Wu X.,et al.J. Biol. Chem. 283:33304-33309(2008).
Micanovic R.,et al.J. Cell. Physiol. 219:227-234(2009).

Images



All lanes : Anti-KLB Antibody (N-Term) at 1:2000 dilution Lane 1: A549 whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 120 kDa Blocking/Dilution buffer: 5% NFDM/TBST.