Datasheet for ABIN7600946

anti-FGF15 antibody (AA 26-218)

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Overview

Quantity:	100 µg
Target:	FGF15
Binding Specificity:	AA 26-218
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGF15 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-Fgf19(Fgf15) Antibody
Immunogen:	E. coli-derived rat Fgf19(Fgf15) recombinant protein (Position: R26-K218). Rat Fgf19(Fgf15) shares 53.2% and 96.4% amino acid (aa) sequence identity with human and mouse FGF19, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Fgf19(Fgf15) Antibody Picoband® (ABIN7600946). Tested in IHC applications. This antibody reacts with Mouse, Rat.
Purification:	Immunogen affinity purified.

Target Details

Target:	FGF15
Alternative Name:	Fgf19(Fgf15) (FGF15 Products)
Background:	Synonyms: Fibroblast growth factor 19,FGF-19,FGF19,UNQ334/PRO533, Tissue Specificity: Expressed in fetal brain, cartilage, retina, and adult gall bladder. . Background: FGF15/19 refers to two orthologous fibroblast growth factors which share 50 % aminoacid identity and have similar functions. FGF15 was described in the mouse, FGF19 was found in humans and other species. They share physiological functions and so are often referred to as FGF15/19 or as FGF15/FGF19. They were first described in developing fetal brain. They are now known to be produced in the ileum, and under certain circumstances in the liver and biliary tree. It is thought their principal function is in response to bile acid absorption occurring after meals. FGF15 and FGF19 have similar roles in regulating bile acid synthesis and also glucose metabolism in the liver.
Molecular Weight:	24 kDa
Gene ID:	170582, 14170

Application Details

Application Notes:	Immunohistochemistry(Paraffin-embedded Section), 2-5 μg/mL, Mouse, Rat 1. Jones, SA (2012). "Physiology of FGF15/19". Advances in Experimental Medicine and Biology. 728: 171-82. 2. Potthoff, MJ, Kliewer, SA, Mangelsdorf, DJ (2012). "Endocrine fibroblast growth factors 15/19 and 21: from feast to famine". Genes & Development. 26 (4): 312-324. 3. Owen, BM, Mangelsdorf, DJ, Kliewer, SA (January 2015). "Tissue-specific actions of the metabolic hormones FGF15/19 and FGF21". Trends in Endocrinology and Metabolism. 26 (1): 22-9.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 μg/mL.
Concentration:	500 μg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.

It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.