

Datasheet for ABIN7601991
anti-FGF7 antibody (AA 54-178)



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Overview

Quantity:	100 µg
Target:	FGF7
Binding Specificity:	AA 54-178
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGF7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-KGF/FGF7 Antibody Picoband®
Immunogen:	E.coli-derived human KGF/FGF7 recombinant protein (Position: R54-K178).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-KGF/FGF7 Antibody Picoband® (ABIN7601991). Tested in ELISA, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	FGF7
Alternative Name:	FGF7 (FGF7 Products)
Background:	Synonyms: Fibroblast growth factor 7, FGF-7, Heparin-binding growth factor 7, HBGF-7, Keratinocyte growth factor, KGF, Fgf7, Fgf-7, Kgf, Tissue Specificity: Ubiquitous. Expressed in the rod and cone photoreceptors, extending from the tips of the outer segment (OS) through the inner segment (IS) and outer nuclear layer (ONL) and into the synaptic terminals of the outer plexiform layer (ONL). Also detected in the bipolar, horizontal and amacrine cells in the inner nuclear layer (INL), extending to the inner plexiform layer (IPL) and through the ganglion cell layer (GCL) and into the nerve fiber layer (NFL) (at protein level). Background: Keratinocyte growth factor is a protein that in humans is encoded by the FGF7 gene. 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.
Molecular Weight:	22 kDa
Gene ID:	2252
UniProt:	P21781
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Kelley MJ, Pech M, Seuanez HN, Rubin JS, O'Brien SJ, Aaronson SA (Nov 1992). "Emergence of the keratinocyte growth factor multigene family during the great ape radiation". Proc Natl Acad Sci U S A 89 (19): 9287-91. 2. Mattei MG, deLapeyriere O, Bresnick J, Dickson C, Birnbaum D, Mason I (Jun 1995). "Mouse Fgf7 (fibroblast growth factor 7) and Fgf8 (fibroblast growth factor 8) genes map to chromosomes 2 and 19 respectively". Mamm Genome 6 (3): 196-7.
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Application Details

Restrictions:	For Research Use only
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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.