

Datasheet for ABIN116127 **anti-FGF7 antibody**

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Overview

Quantity:	50 µg
Target:	FGF7
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGF7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA), Functional Studies (Func)

Product Details

Immunogen:	Highly purified (>98%) recombinant FGF-7 (KGF)
Specificity:	This antibody reacts with Human Keratinocyte Growth Factor (KGF).
Purification:	Affinity chromatography

Target Details

Target:	FGF7
Alternative Name:	FGF7 / KGF (FGF7 Products)
Background:	KGF 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

Target Details

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. Synonyms: Fibroblast growth factor 7, HBGF7, Heparin-binding growth factor 7, Keratinocyte growth factor

Gene ID:	2252
NCBI Accession:	NP_002000
UniProt:	P21781
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway

Application Details

Application Notes:	Neutralisation: To yield one-half maximal inhibition [ND50] of the biological activity of hKGF (25 ng/mL), a concentration of 0.56-0.85 µg/mL of this antibody has been used for previous lots. ELISA: To detect hKGF by direct ELISA (using 100 l/well antibody solution) a concentration of at least 0.5 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant hKGF. Western blot: To detect hKGF by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant hKGF is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Reconstitution:	Restore in sterile water to a concentration of 0.1-1.0 mg/mL.
Buffer:	PBS, pH 7.2 without preservatives
Preservative:	Without preservative
Handling Advice:	Avoid repeated freezing and thawing. Centrifuge vial prior to opening!
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody prior to reconstitution at -20 °C. Following reconstitution the antibody can be

Handling

stored at 2-8 °C for one month or at -20 °C for longer.

Publications

Product cited in: Lim, Poh, Riau, Beuerman, Tan, Mehta: "Biological and ultrastructural properties of acelagraft, a freeze-dried γ -irradiated human amniotic membrane." in: **Archives of ophthalmology**, Vol. 128, Issue 10, pp. 1303-10, (2010) ([PubMed](#)).