



Rabbit Anti-Canine FGF1 Polyclonal Antibody (CABT-NS1695)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Canine aFGF/FGF1
Target	FGF1
Immunogen	Recombinant Canine aFGF/FGF1 protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Canine
Conjugate	Unconjugated
Applications	<p>ELISA</p> <p>Recommended dilution:</p> <p>ELISA: 0.1-0.2 µg/mL.</p> <p>This antibody can be used at 0.1-0.2 µg/mL with the appropriate secondary reagents to detect Canine aFGF/FGF1.</p> <p>The detection limit for Canine aFGF/FGF1 is < 0.039 ng/well.</p> <p>Each laboratory should determine an optimum working titer for use in its particular application.</p> <p>Other applications have not been tested but use in such assays should not necessarily be excluded.</p>
Format	Liquid, Purified
Size	50 µl, 100 µl, 200 µl
Buffer	0.2 µm filtered solution in PBS
Preservative	None

Storage

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

BACKGROUND

Introduction

aFGF, also known as FGF1 and HBGF-1, is a member of the fibroblast growth factor family. The biological activity of aFGF protein is exerted through binding to four high affinity cell surface receptors (FGFR1–4), which results in receptor dimerization and transphosphorylation in the tyrosine kinase domain. aFGF protein shows a wide range of endocrine-like activities. As a multiple function growth factor, this protein is involved in embryo development and tissue repair. Additionally, this protein is considered to function in several important physiological and pathological processes, such as embryonic development, morphogenesis, angiogenesis, wound healing and atheromatosis, carcinogenesis, development, and invasion of cancer.

Keywords

FGF1; fibroblast growth factor 1 (acidic); FGFA; fibroblast growth factor 1; AFGF; ECGF; ECGF beta; ECGFA; ECGFB; endothelial cell growth factor
