Datasheet for ABIN1724834

anti-FGF4 antibody (AA 62-123)

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Overview

Quantity:	0.1 mg
Target:	FGF4
Binding Specificity:	AA 62-123
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FGF4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of humanFGF4 (AA: 62-123) expressed in E. coli.
Clone:	3A12G9
Isotype:	IgG1
Purification:	purified

Target Details

Target:	FGF4
Alternative Name:	FGF4 (FGF4 Products)
Background:	Description: 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

Target Details

	involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This gene was identified by its oncogenic transforming activity. This gene and FGF3, another oncogenic growth factor, are located closely on chromosome 11. Co-amplification of both genes was found in various kinds of human tumors. Studies on the mouse homolog suggested a function in bone morphogenesis and limb development through the sonic hedgehog (SHH) signaling pathway. Aliases: HST, KFGF, HST-1, HSTF1, K-FGF, HBGF-5
Molecular Weight:	22 kDa
Gene ID:	2249
HGNC:	2249
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Stem Cell Maintenance

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C

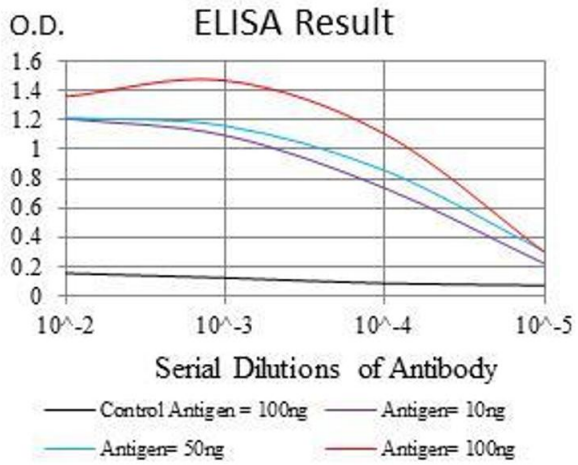
Publications

Product cited in:	Zuhlke, Johnson, Okoth, Stoffel, Robbins, Tembe, Salinas, Zheng, Xu, Carpten, Lange, Isaacs, Cooney: "Identification of a novel NBN truncating mutation in a family with hereditary prostate cancer." in: **Familial cancer**, Vol. 11, Issue 4, pp. 595-600, (2012) (PubMed). Zheng, Zhang, Jiang, You, Liu, Lu, Zhou: "Functional NBS1 polymorphism is associated with

Publications

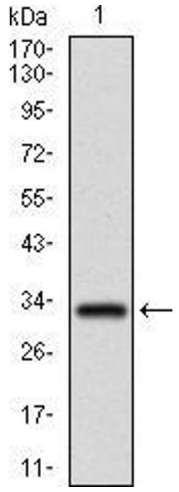
occurrence and advanced disease status of nasopharyngeal carcinoma." in: **Molecular carcinogenesis**, Vol. 50, Issue 9, pp. 689-96, (2011) (PubMed).

Images



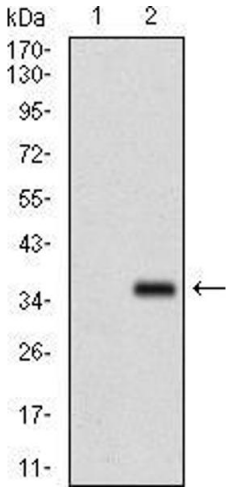
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Western Blotting

Image 2. Western blot analysis using FGF4 mAb against human FGF4 recombinant protein. (Expected MW is 32.6 kDa)



Western Blotting

Image 3. Western blot analysis using FGF4 mAb against HEK293 (1) and FGF4 (AA: 62-123)-hIgGFc transfected HEK293 (2) cell lysate.