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Datasheet for ABIN1724846

## anti-FLT3 antibody (AA 930-991)

4 Images

2 Publications

### Overview

Quantity:	0.1 mg
Target:	FLT3
Binding Specificity:	AA 930-991
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FLT3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

### Product Details

Immunogen:	Purified recombinant fragment of human FLT3 (AA: 930-991) expressed in E. coli.
Clone:	7B7C3
Isotype:	IgG1
Purification:	purified

### Target Details

Target:	FLT3
Alternative Name:	FLT3 ( <a href="#">FLT3 Products</a> )
Background:	Description: This gene encodes a class III receptor tyrosine kinase that regulates hematopoiesis. The receptor consists of an extracellular domain composed of five

## Target Details

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immunoglobulin-like domains, one transmembrane region, and a cytoplasmic kinase domain split into two parts by a kinase-insert domain. The receptor is activated by binding of the fms-related tyrosine kinase 3 ligand to the extracellular domain, which induces homodimer formation in the plasma membrane leading to autophosphorylation of the receptor. The activated receptor kinase subsequently phosphorylates and activates multiple cytoplasmic effector molecules in pathways involved in apoptosis, proliferation, and differentiation of hematopoietic cells in bone marrow. Mutations that result in the constitutive activation of this receptor result in acute myeloid leukemia and acute lymphoblastic leukemia. ,

Aliases: FLK2, STK1, CD135, FLK-2

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Molecular Weight: 130 kDa

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Gene ID: 2322

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HGNC: 2322

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Pathways: [RTK Signaling](#)

## Application Details

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Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

## Handling

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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

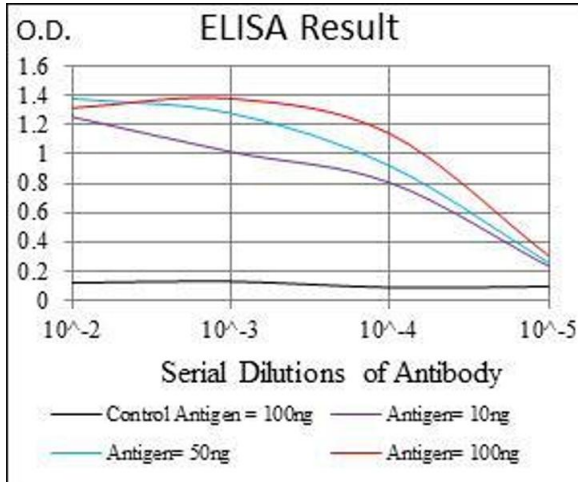
Storage Comment: 4°C, -20°C for long term storage

## Publications

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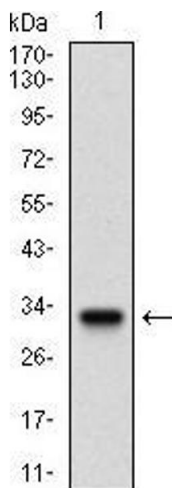
Product cited in: Yoshida, Ishikawa, Niitsu, Nakazato, Watanabe, Shiraiishi, Shiina, Hashimoto, Kanahara, Hasegawa, Enohara, Kimura, Iyo, Hashimoto: "Decreased serum levels of mature brain-derived neurotrophic factor (BDNF), but not its precursor proBDNF, in patients with major depressive

Images



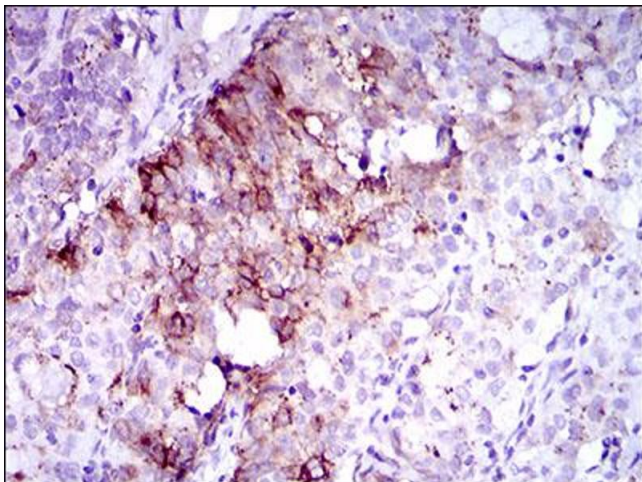
**ELISA**

**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 FLT3 mAb against human FLT3 recombinant protein. (Expected MW is 32.6 kDa)



**Immunohistochemistry**

**Image 3.** Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using FLT3 mouse mAb with DAB staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1724846.