

# FGF21 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant FGF21.

Catalog # AT2033a

## Product Information

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<b>Application</b>	WB, IHC, E
<b>Primary Accession</b>	<a href="#">Q9NSA1</a>
<b>Other Accession</b>	<a href="#">BC018404</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG1 Kappa
<b>Clone Names</b>	2F11
<b>Calculated MW</b>	22300

## Additional Information

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<b>Gene ID</b>	26291
<b>Other Names</b>	Fibroblast growth factor 21, FGF-21, FGF21
<b>Target/Specificity</b>	FGF21 (AAH18404, 30 a.a. ~ 209 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	FGF21 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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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. The function of this growth factor has not yet been determined.

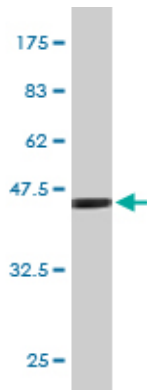
## References

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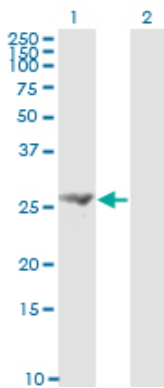
FGF21 signalling pathway and metabolic traits - genetic association analysis. Kaess BM, et al. Eur J Hum Genet, 2010 Aug 18. PMID 20717167. Daily physical activity, fasting glucose, uric acid, and body mass index are independent factors associated with serum fibroblast growth factor 21 levels. Cuevas-Ramos D, et al. Eur

J Endocrinol, 2010 Sep. PMID 20566587. Increased fibroblast growth factor 21 in obesity and nonalcoholic fatty liver disease. Dushay J, et al. Gastroenterology, 2010 Aug. PMID 20451522. Regulation of FGF21 expression and secretion by retinoic acid receptor-related orphan receptor alpha. Wang Y, et al. J Biol Chem, 2010 May 21. PMID 20332535. Fibroblast growth factor-21 may mediate growth hormone resistance in anorexia nervosa. Fazeli PK, et al. J Clin Endocrinol Metab, 2010 Jan. PMID 19926712.

## Images

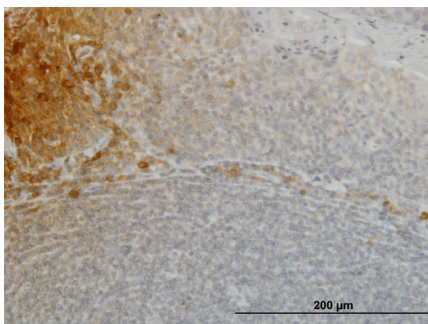


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (45.54 KDa) .

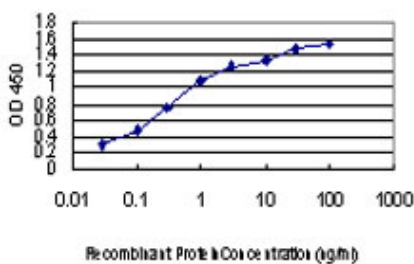


Western Blot analysis of FGF21 expression in transfected 293T cell line by FGF21 monoclonal antibody (M01), clone 2F11.

Lane 1: FGF21 transfected lysate (22.3 KDa).  
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to FGF21 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged FGF21 is approximately 0.03 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.