

# FGF16 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11862a

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">O43320</a>
<b>Other Accession</b>	<a href="#">O54769</a> , <a href="#">Q9ESL8</a> , <a href="#">NP_003859.1</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Predicted</b>	Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB31755
<b>Calculated MW</b>	23759
<b>Antigen Region</b>	22-50

## Additional Information

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<b>Gene ID</b>	8823
<b>Other Names</b>	Fibroblast growth factor 16, FGF-16, FGF16
<b>Target/Specificity</b>	This FGF16 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 22-50 amino acids from the N-terminal region of human FGF16.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	FGF16 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	FGF16
<b>Function</b>	Plays an important role in the regulation of embryonic development, cell proliferation and cell differentiation, and is required for normal cardiomyocyte proliferation and heart development.

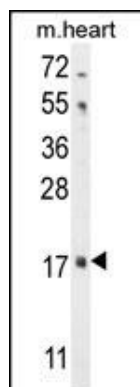
## Background

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 rat homolog is predominantly expressed in embryonic brown adipose tissue and has significant mitogenic activity, which suggests a role in proliferation of embryonic brown adipose tissue.

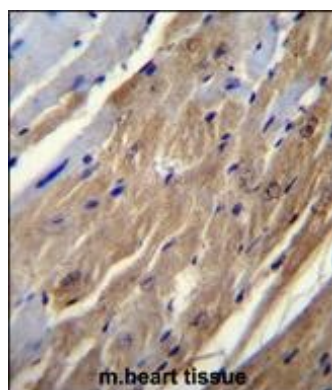
## References

Sofronescu, A.G., et al. *Cardiovasc. Res.* 87(1):102-110(2010)  
Moffa, A.B., et al. *J. Cell. Physiol.* 210(3):720-731(2007)  
Antoine, M., et al. *Biochem. Biophys. Res. Commun.* 346(1):224-233(2006)  
Zhang, X., et al. *J. Biol. Chem.* 281(23):15694-15700(2006)  
Popovici, C., et al. *J. Biol. Chem.* 279(38):40146-40152(2004)

## Images



FGF16 Antibody (N-term) (Cat. #AP11862a) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the FGF16 antibody detected the FGF16 protein (arrow).



FGF16 Antibody (N-term) (Cat. #AP11862a) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of FGF16 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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