

**FGF16 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11862a****Specification**

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**FGF16 Antibody (N-term) - Product Information**

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

**FGF16 Antibody (N-term) - Additional Information****Gene ID** 8823**Other Names**

Fibroblast growth factor 16, FGF-16, FGF16

**Target/Specificity**

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.

**Dilution**

WB~~1:1000

IHC-P~~1:10~50

E~~Use at an assay dependent concentration.

**Format**

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.

**Storage**

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.

**Precautions**

FGF16 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**FGF16 Antibody (N-term) - Protein Information****Name** FGF16

**Function** 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.

**Cellular Location**

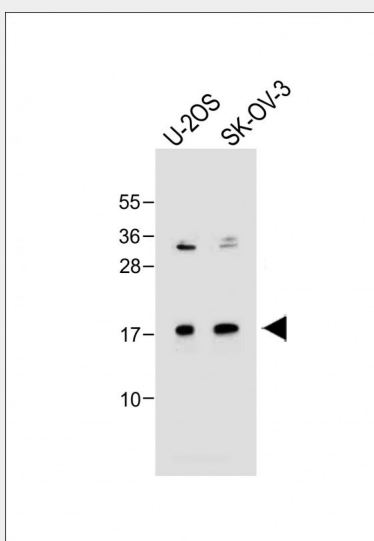
Secreted {ECO:0000250|UniProtKB:O54769}.

**FGF16 Antibody (N-term) - Protocols**

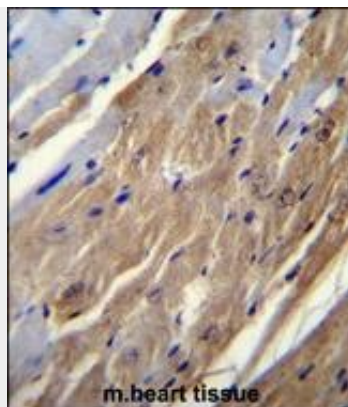
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**FGF16 Antibody (N-term) - Images**



All lanes : Anti-FGF16 Antibody (N-term) at 1:1000 dilution Lane 1: U-2OS whole cell lysate Lane 2: SK-OV-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 24 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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.

#### **FGF16 Antibody (N-term) - 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.

#### **FGF16 Antibody (N-term) - 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)