

**ANR49 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP4966c****Specification**

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**ANR49 Antibody (Center) - Product Information**

|                   |                           |
|-------------------|---------------------------|
| Application       | FC, IHC-P, WB,E           |
| Primary Accession | <a href="#">Q8WVL7</a>    |
| Other Accession   | <a href="#">NP_060174</a> |
| Reactivity        | Human                     |
| Host              | Rabbit                    |
| Clonality         | Polyclonal                |
| Isotype           | Rabbit IgG                |
| Calculated MW     | 27290                     |
| Antigen Region    | 80-109                    |

**ANR49 Antibody (Center) - Additional Information****Gene ID** 54851**Other Names**

Ankyrin repeat domain-containing protein 49, Fetal globin-inducing factor, ANKRD49, FGIF

**Target/Specificity**

This ANR49 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 80-109 amino acids from the Central region of human ANR49.

**Dilution**

FC~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

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**

ANR49 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**ANR49 Antibody (Center) - Protein Information****Name** ANKRD49

### Synonyms FGIF

**Function** Induces HBG1 expression (PubMed:[11162141](#), PubMed:[16131492](#)). May have a role in spermatogenesis where it promotes autophagy in response to serum starvation, via the NF-kappaB pathway (By similarity).

### Cellular Location

Nucleus {ECO:0000250|UniProtKB:Q8VE42}.

### Tissue Location

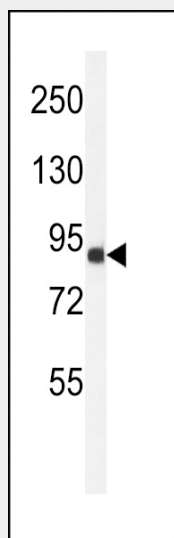
Widely expressed in fetus, at a high level in fetal liver, brain and lung.

### ANR49 Antibody (Center) - Protocols

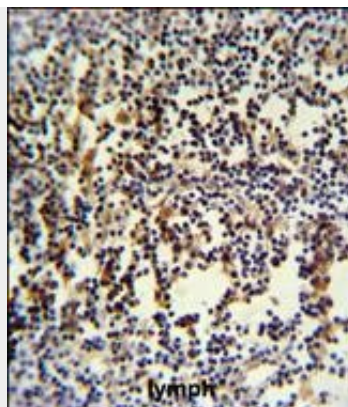
Provided below are standard protocols that you may find useful for product applications.

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

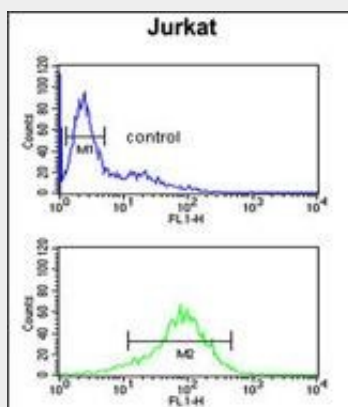
### ANR49 Antibody (Center) - Images



Western blot analysis of ANR49 Antibody (Center) (Cat. #AP4966c) in Jurkat cell line lysates (35ug/lane). ANR49 (arrow) was detected using the purified Pab.



ANR49 Antibody (Center) (Cat. #AP4966c) IHC analysis in formalin fixed and paraffin embedded human lymph carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ANR49 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



ANR49 Antibody (Center) (Cat. #AP4966c) flow cytometric analysis of Jurkat cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### ANR49 Antibody (Center) - References

- Hosgood, H.D. III, et al. Occup Environ Med 66(12):848-853(2009)  
Blau, C.A., et al. J. Biol. Chem. 280(44):36642-36647(2005)  
Pitts, S.A., et al. Hum. Mol. Genet. 10(11):1155-1162(2001)  
Yang, Y., et al. Blood Cells Mol. Dis. 27(1):1-15(2001)