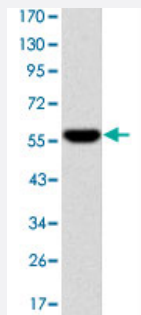


# FGG monoclonal antibody, clone 4H9

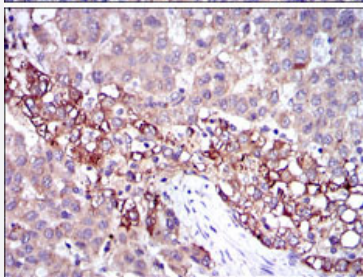
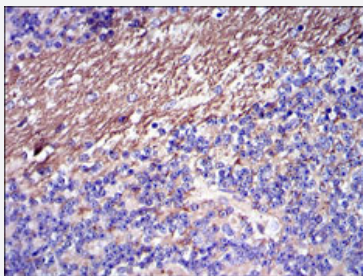
Catalog # MAB10650      Size 100 uL

## Applications



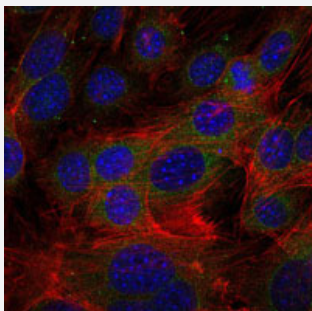
### Western Blot (Recombinant protein)

Western blot analysis using FGG monoclonal antibody, clone 4H9 (Cat # MAB10650) against FGG recombinant protein.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human cerebellum (upper) and human liver cancer (bottom) tissues using FGG monoclonal antibody, clone 4H9 (Cat # MAB10650) with DAB staining.

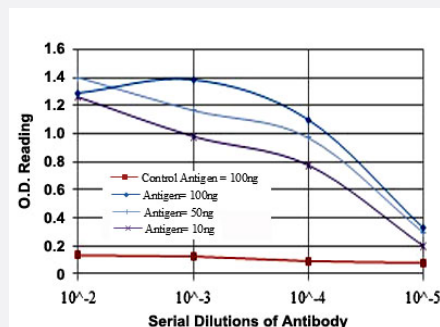


### Immunofluorescence

Immunofluorescence analysis of 3T3-L1 cells using FGG monoclonal antibody, clone 4H9 (Cat # MAB10650) (green) . Blue: DAPI fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

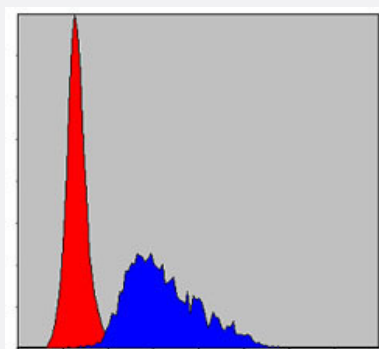
## Enzyme-linked Immunoabsorbent Assay

ELISA measurement of FGG monoclonal antibody, clone 4H9 (Cat # MAB10650) .



## Flow Cytometry

Flow cytometric analysis of HepG2 cells using FGG monoclonal antibody, clone 4H9 (Cat # MAB10650) (blue) and negative control (red).



## Specification

**Product Description** Mouse monoclonal antibody raised against partial recombinant FGG.

**Immunogen** Recombinant protein corresponding to human FGG.

**Host** Mouse

**Theoretical MW (kDa)** 52

**Reactivity** Human

**Form** Liquid

**Isotype** IgG2a

**Recommend Usage**

- ELISA (1:10000)
- Western Blot (1:500-1:2000)
- Immunohistochemistry (1:200-1:1000)
- Immunofluorescence (1:200-1:1000)
- Flow cytometry (1:200-1:400)
- The optimal working dilution should be determined by the end user.

**Storage Buffer** In ascites (0.03% sodium azide)

**Storage Instruction** Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Recombinant protein)

Western blot analysis using FGG monoclonal antibody, clone 4H9 (Cat # MAB10650) against FGG recombinant protein.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human cerebellum (upper) and human liver cancer (bottom) tissues using FGG monoclonal antibody, clone 4H9 (Cat # MAB10650) with DAB staining.

- Immunofluorescence

Immunofluorescence analysis of 3T3-L1 cells using FGG monoclonal antibody, clone 4H9 (Cat # MAB10650) (green) . Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

- Enzyme-linked Immunoabsorbent Assay

ELISA measurement of FGG monoclonal antibody, clone 4H9 (Cat # MAB10650) .

- Flow Cytometry

Flow cytometric analysis of HepG2 cells using FGG monoclonal antibody, clone 4H9 (Cat # MAB10650) (blue) and negative control (red).

## Gene Info — FGG

|               |                      |
|---------------|----------------------|
| Entrez GeneID | <a href="#">2266</a> |
|---------------|----------------------|

|           |     |
|-----------|-----|
| Gene Name | FGG |
|-----------|-----|

|            |   |
|------------|---|
| Gene Alias | - |
|------------|---|

|                  |                        |
|------------------|------------------------|
| Gene Description | fibrinogen gamma chain |
|------------------|------------------------|

|         |                        |
|---------|------------------------|
| Omim ID | <a href="#">134850</a> |
|---------|------------------------|

|               |                           |
|---------------|---------------------------|
| Gene Ontology | <a href="#">Hyperlink</a> |
|---------------|---------------------------|

**Gene Summary**

The protein encoded by this gene is the gamma component of fibrinogen, a blood-borne glycoprotein comprised of three pairs of nonidentical polypeptide chains. Following vascular injury, fibrinogen is cleaved by thrombin to form fibrin which is the most abundant component of blood clots. In addition, various cleavage products of fibrinogen and fibrin regulate cell adhesion and spreading, display vasoconstrictor and chemotactic activities, and are mitogens for several cell types. Mutations in this gene lead to several disorders, including dysfibrinogenemia, hypofibrinogenemia and thrombophilia. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq]

**Other Designations**

fibrinogen, gamma chain|fibrinogen, gamma polypeptide

**Pathway**

- [Complement and coagulation cascades](#)

**Disease**

- [Alzheimer disease](#)
- [Aortic Diseases](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Cerebral Hemorrhage](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Hemophilia A](#)
- [Hypertension](#)
- [Inflammation](#)
- [Ischemia](#)
- [Ischemic Attack](#)
- [Kidney Failure](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Stroke](#)
- [Thromboembolism](#)
- [Thrombosis](#)
- [Vascular Diseases](#)
- [Venous Thrombosis](#)