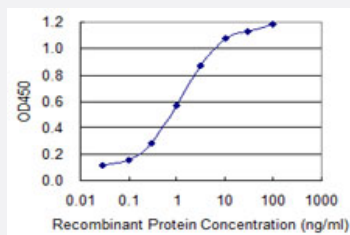


# SEPT9 monoclonal antibody (M01), clone 2C6

Catalog # H00010801-M01

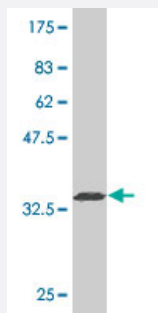
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SEPT9 is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.41 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant SEPT9.

### Immunogen

SEPT9 (AAH21192, 26 a.a. ~ 125 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

### Sequence

PRRVQTPLLRTVASSTQKFQDLGVKNSEPSARHVDSLRSRSPKASLRRLVELSGPKAAEPVSR  
RTELSIDISSKQVENAGAIGPSRFGLKRAEVLGHKTP

### Host

Mouse

### Reactivity

Human

|                               |                                                                                                          |
|-------------------------------|----------------------------------------------------------------------------------------------------------|
| Interspecies Antigen Sequence | Mouse (90); Rat (89)                                                                                     |
| Isotype                       | IgG2a Kappa                                                                                              |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (36.41 KDa) . |
| Storage Buffer                | In 1x PBS, pH 7.4                                                                                        |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                 |

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SEPT9 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — SEPT9

|                     |                                                                     |
|---------------------|---------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">10801</a>                                               |
| GeneBank Accession# | <a href="#">BC021192</a>                                            |
| Protein Accession#  | <a href="#">AAH21192</a>                                            |
| Gene Name           | SEPT9                                                               |
| Gene Alias          | AF17q25, FLJ75490, KIAA0991, MSF, MSF1, NAPB, PNUTL4, SINT1, SeptD1 |
| Gene Description    | sepin 9                                                             |
| Omim ID             | <a href="#">162100 604061</a>                                       |
| Gene Ontology       | <a href="#">Hyperlink</a>                                           |

## Gene Summary

This gene is a member of the septin family involved in cytokinesis and cell cycle control. This gene is a candidate for the ovarian tumor suppressor gene. Mutations in this gene cause hereditary neuralgic amyotrophy, also known as neuritis with brachial predilection. A chromosomal translocation involving this gene on chromosome 17 and the MLL gene on chromosome 11 results in acute myelomonocytic leukemia. Multiple alternatively spliced transcript variants encoding different isoforms have been described

## Other Designations

MLL septin-like fusion|Ov/Br septin|ovarian/breast septin|septin D1

## Publication Reference

- [Promoter methylation of SEPT9 as a potential biomarker for early detection of cervical cancer and its overexpression predicts radioresistance.](#)

Jiao X, Zhang S, Jiao J, Zhang T, Qu W, Muloye GM, Kong B, Zhang Q, Cui B.

Clinical Epigenetics 2019 Aug; 11(1):120.

Application: IF, IHC-P, WB-Ce, WB-Tr, Human, HeLa cells, Human cervical cancer

- [A SEPT1-based scaffold is required for Golgi integrity and function.](#)

Song K, Gras C, Capin G, Gimber N, Lehmann M, Mohd S, Puchkov D, Rödiger M, Wilhelmi I, Daumke O, Schmoranz J, Schürmann A, Krauss M.

Journal of Cell Science 2019 Feb; 132(3): jcs225557.

Application: IF, Human, HeLa cells

- [SEPT9 negatively regulates ubiquitin-dependent downregulation of EGFR.](#)

Diesenberg K, Beerbaum M, Fink U, Schmieder P, Krauss M.

Journal of Cell Science 2015 Jan; 128(2):397.

Application: IF, WB-Ce, WB-Tr, Human, HeLa, A431 cells

## Disease

- [Brachial Plexus Neuropathies](#)
- [Cerebral Hemorrhage](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Stroke](#)

- [Subarachnoid Hemorrhage](#)