

**Goat Anti-Septin 3 Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1972a

### Specification

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#### Goat Anti-Septin 3 Antibody - Product Information

Application	WB
Primary Accession	<a href="#">Q9UH03</a>
Other Accession	<a href="#">NP_061979</a> , <a href="#">55964</a> , <a href="#">24050 (mouse)</a>
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	40704

#### Goat Anti-Septin 3 Antibody - Additional Information

**Gene ID** 55964

#### Other Names

Neuronal-specific septin-3, SEPT3, SEP3

#### Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Goat Anti-Septin 3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Goat Anti-Septin 3 Antibody - Protein Information

**Name** SEPTIN3 ([HGNC:10750](#))

**Synonyms** SEP3, SEPT3

#### Function

Filament-forming cytoskeletal GTPase (By similarity). May play a role in cytokinesis (Potential).

#### Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton. Synapse

### Tissue Location

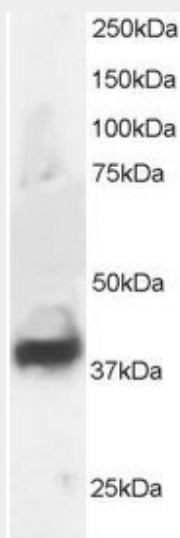
Brain-specific.

### Goat Anti-Septin 3 Antibody - 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](#)

### Goat Anti-Septin 3 Antibody - Images



AF1972a staining (1  $\mu$ g/ml) of Human Brain lysate (RIPA buffer, 30  $\mu$ g total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

### Goat Anti-Septin 3 Antibody - Background

This gene belongs to the septin family of GTPases. Members of this family are required for cytokinesis. Expression is upregulated by retinoic acid in a human teratocarcinoma cell line. The specific function of this gene has not been determined. Alternative splicing of this gene results in two transcript variants encoding different isoforms.

### Goat Anti-Septin 3 Antibody - References

Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.  
The LIFEdb database in 2006. Mehrle A, et al. Nucleic Acids Res, 2006 Jan 1. PMID 16381901.  
A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.  
From ORFeome to biology: a functional genomics pipeline. Wiemann S, et al. Genome Res, 2004 Oct. PMID 15489336.

Septin 3 (G-septin) is a developmentally regulated phosphoprotein enriched in presynaptic nerve terminals. Xue J, et al. J Neurochem, 2004 Nov. PMID 15485489.