

SEPT10 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17950a

Product Information

| | |
|-------------------|---|
| Application | WB, E |
| Primary Accession | Q9P0V9 |
| Other Accession | NP_653311.1 , NP_848699.1 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Clone Names | RB38137 |
| Calculated MW | 52593 |
| Antigen Region | 14-40 |

Additional Information

| | |
|--------------------|--|
| Gene ID | 151011 |
| Other Names | Septin-10, SEPT10 |
| Target/Specificity | This SEPT10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 14-40 amino acids from the N-terminal region of human SEPT10. |
| Dilution | 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 | SEPT10 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

| | |
|----------|---|
| Name | SEPTIN10 (HGNC:14349) |
| Synonyms | SEPT10 |
| Function | Filament-forming cytoskeletal GTPase. May play a role in cytokinesis (Potential). |

| | |
|--------------------------|--|
| Cellular Location | Cytoplasm. Cytoplasm, cytoskeleton. Cell projection, cilium, flagellum {ECO:0000250 UniProtKB:Q8C650}. Note=Detected in the annulus of the sperm flagellum and in the neck region in spermatids and mature sperm (By similarity). Using a GFP-fusion protein, detected in the nucleus. {ECO:0000250 UniProtKB:Q8C650, ECO:0000269 PubMed:12711328} |
| Tissue Location | Widely expressed. Abundantly expressed in heart and kidney, placenta, skeletal muscles, liver and lung, as well as various tumor cell lines. |

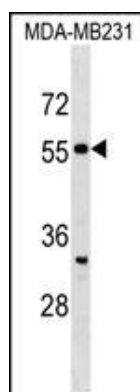
Background

This gene encodes a member of the septin family of cytoskeletal proteins with GTPase activity. This protein localizes to the cytoplasm and nucleus and displays GTP-binding and GTPase activity. Alternate splicing results in two transcript variants encoding different isoforms.

References

Benedetti, D., et al. Leukemia 22(1):224-226(2008)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Hillier, L.W., et al. Nature 434(7034):724-731(2005)
Sui, L., et al. Biochem. Biophys. Res. Commun. 304(2):393-398(2003)

Images



SEPT10 Antibody (N-term) (Cat. #AP17950a) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the SEPT10 antibody detected the SEPT10 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.