RSBN1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11537a

Specification

RSBN1 Antibody (N-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q5VWQ0
Other Accession	NP_060834.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**90072**
Antigen Region	**51-78**

RSBN1 Antibody (N-term) - Additional Information

Gene ID 54665

Other Names
Round spermatid basic protein 1, RSBN1

Target/Specificity
This RSBN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 51-78 amino acids from the N-terminal region of human RSBN1.

Dilution
WB~~1:2000
IHC-P~~1:25
FC~~1:10~50
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
RSBN1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RSBN1 Antibody (N-term) - Protein Information

Name RSBN1

Function Histone demethylase that specifically demethylates dimethylated 'Lys-20' of histone H4 (H4K20me2), thereby modulating chromosome architecture.
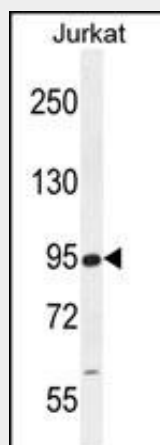
Cellular Location
Nucleus.

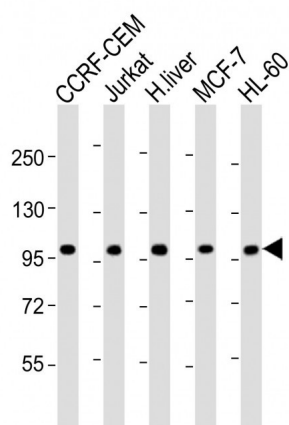**RSBN1 Antibody (N-term) - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
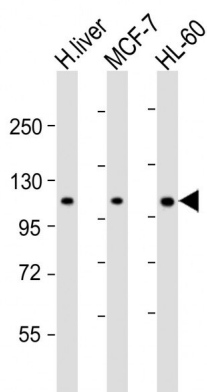- Immunoprecipitation
- Flow Cytomety
- Cell Culture

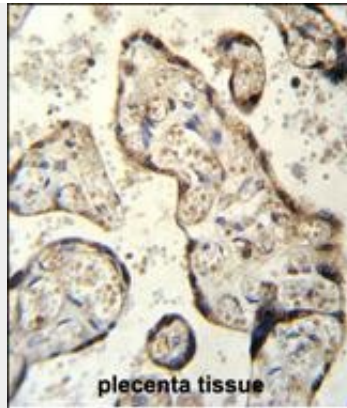**RSBN1 Antibody (N-term) - Images**

RSBN1 Antibody (N-term) (Cat. #AP11537a) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the RSBN1 antibody detected the RSBN1 protein (arrow).
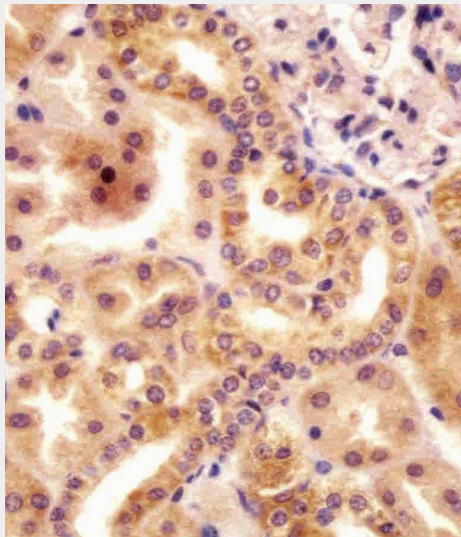
All lanes : Anti-RSBN1 Antibody (N-term) at 1:2000 dilution Lane 1: CCRF-CEM whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: human liver lysate Lane 4: MCF-7 whole cell lysate Lane 5: HL-60 whole cell lysate Lysates/proteins at 20 μg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 90 kDa Blocking/Dilution buffer: 5% NFDM/TBST.
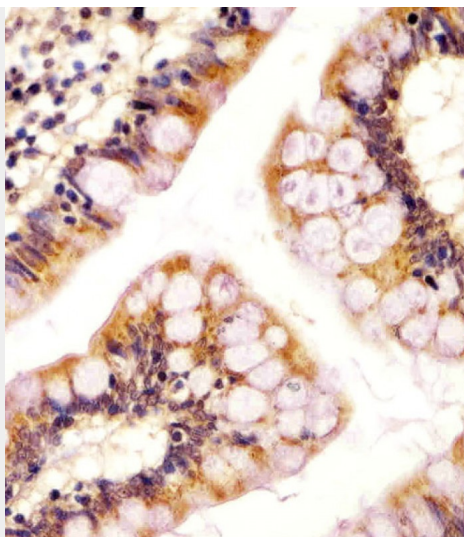

All lanes : Anti-RSBN1 Antibody (N-term) at 1:2000 dilution Lane 1: human liver lysate Lane 2: MCF-7 whole cell lysate Lane 3: HL-60 whole cell lysate Lysates/proteins at 20 μg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 90 kDa Blocking/Dilution buffer: 5% NFDM/TBST.
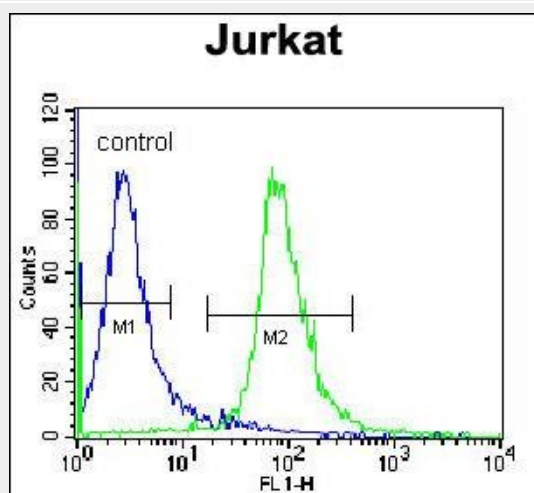
plecenta tissue

RSBN1 Antibody (N-term) (Cat. #AP11537a)immunohistochemistry analysis in formalin fixed and paraffin embedded human plecenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of RSBN1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

AP11537a staining RSBN1 in human kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

AP11537a staining RSBN1 in human colon tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

RSBN1 Antibody (N-term) (Cat. #AP11537a) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

RSBN1 Antibody (N-term) - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Prahalad, S., et al. Arthritis Rheum. 60(7):2124-2130(2009)
Cooper, J.D., et al. Nat. Genet. 40(12):1399-1401(2008)
Raychaudhuri, S., et al. Nat. Genet. 40(10):1216-1223(2008)
Smyth, D.J., et al. Diabetes 57(6):1730-1737(2008)