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SCYL1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7215a

Specification

SCYL1 Antibody (N-term) - Product Information

Application	**IHC-P, WB,E**
Primary Accession	Q96KG9
Other Accession	A6QLH6
Reactivity	**Human**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**89631**
Antigen Region	**156-185**

SCYL1 Antibody (N-term) - Additional Information

Gene ID 57410

Other Names
N-terminal kinase-like protein, Coated vesicle-associated kinase of 90 kDa, SCY1-like protein 1, Telomerase regulation-associated protein, Telomerase transcriptional element-interacting factor, Teratoma-associated tyrosine kinase, SCYL1, CVAK90, GKLP, NTKL, TAPK, TEIF, TRAP

Target/Specificity
This SCYL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 156-185 amino acids from the N-terminal region of human SCYL1.

Dilution
IHC-P~~1:10~50
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
SCYL1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SCYL1 Antibody (N-term) - Protein Information

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Name SCYL1

Synonyms CVAK90, GKLP, NTKL, TAPK, TEIF, TRAP

Function Regulates COPI-mediated retrograde protein traffic at the interface between the Golgi apparatus and the endoplasmic reticulum (PubMed:18556652). Involved in the maintenance of the Golgi apparatus morphology (PubMed:26581903).

Cellular Location
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Endoplasmic reticulum-Golgi intermediate compartment Golgi apparatus, cis-Golgi network Note=Localized to the Endoplasmic reticulum-Golgi intermediate and cis- Golgi in an ARF1-independent manner [Isoform 2]: Cytoplasm. Note=Cytoplasmic throughout the cell cycle [Isoform 6]: Nucleus

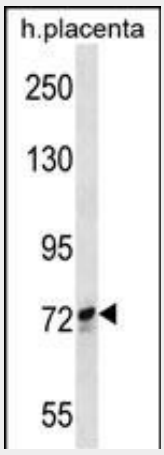
Tissue Location
Ubiquitous..

SCYL1 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

SCYL1 Antibody (N-term) - Images



SCYL1 Antibody (N-term) (Cat. #AP7215a) western blot analysis in human placenta tissue lysates (35ug/lane).This demonstrates the SCYL1 antibody detected the SCYL1 protein (arrow).

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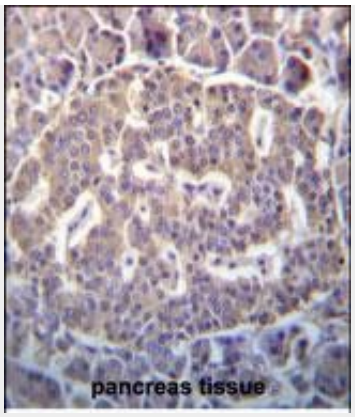

SCYL1 Antibody (N-term) (Cat. #AP7215a)immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of SCYL1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

SCYL1 Antibody (N-term) - Background

SCYL1 forms multimers following transfection into COS-7 cells. SCYL1 forms a 300-kD trimer using crosslinking reagents. Biochemical analysis revealed no phosphorylation or autophosphorylation activity.The 707-amino acid SCYL1 variant, variant 2, localized to centrosomes during mitosis. During interphase, fluorescence-tagged variant 2 localized in the cytoplasm as well as centrosomes. However, at the beginning of mitosis, the fluorescence appeared as a pair of bright nuclear foci that followed centrosome localization throughout mitosis, while maintaining diffuse cytoplasmic labeling. Endogenous variant 2 in HeLa cells showed a similar staining pattern. Centrosomal localization was independent of microtubules.

SCYL1 Antibody (N-term) - References

Tang, Z., et al., Biochem. Biophys. Res. Commun. 324(4):1324-1332 (2004).
Kato, M., et al., Genomics 79(6):760-767 (2002).
Liu, S.C., et al., Biochim. Biophys. Acta 1517(1):148-152 (2000).
van Asseldonk, M., et al., Genomics 66(1):35-42 (2000).