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SLC33A1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12342

Specification

SLC33A1 antibody - middle region - Product Information

Application	**IHC, WB**
Primary Accession	O00400
Other Accession	NM_004733, NP_004724
Reactivity	**Human, Mouse, Rat, Rabbit, Zebrafish, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Mouse, Rabbit, Zebrafish, Chicken, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**61kDa KDa**

SLC33A1 antibody - middle region - Additional Information

Gene ID 9197

Alias Symbol **ACATN, AT-1, AT1, SPG42, CCHLND**

Other Names
Acetyl-coenzyme A transporter 1, AT-1, Acetyl-CoA transporter 1, Solute carrier family 33 member 1, SLC33A1, ACATN, AT1

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-SLC33A1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
SLC33A1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

SLC33A1 antibody - middle region - Protein Information

Name SLC33A1 (HGNC:95)

Synonyms ACATN, AT1

Function
Acetyl-CoA transporter that mediates active acetyl-CoA import through the endoplasmic reticulum (ER) membrane into the ER lumen where specific ER-based acetyl-CoA:lysine acetyltransferases are responsible for the acetylation of ER-based protein substrates, such as BACE1 (PubMed:20826464, PubMed:<a

href="http://www.uniprot.org/citations/24828632" target="_blank">24828632). Necessary for O-acetylation of gangliosides (PubMed:9096318).

Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein

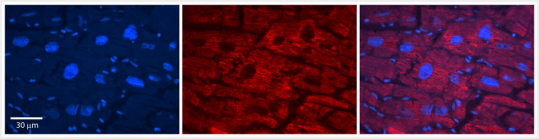
Tissue Location
Ubiquitous. Detected in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. With strongest signals in pancreas.

SLC33A1 antibody - middle region - Protocols

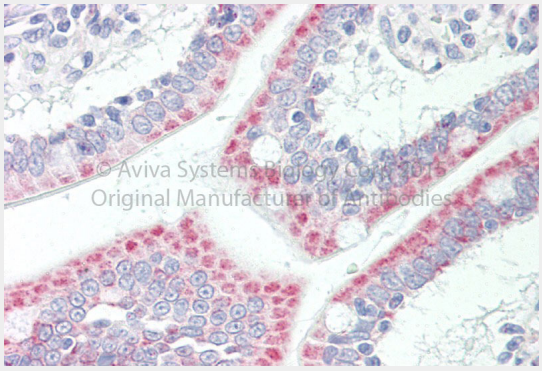
Provided below are standard protocols that you may find useful for product applications.

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

SLC33A1 antibody - middle region - Images



Rabbit Anti-SLC33A1 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human Adult heart Observed Staining: Cytoplasmic,Membrane
Primary Antibody
Concentration: 1:600
Secondary Antibody: Donkey anti-Rabbit-Cy2/3
Secondary Antibody
Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 â€“ 2.0 sec
Protocol located in Reviews and Data.



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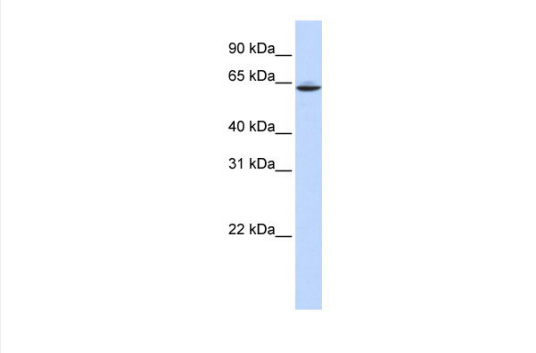
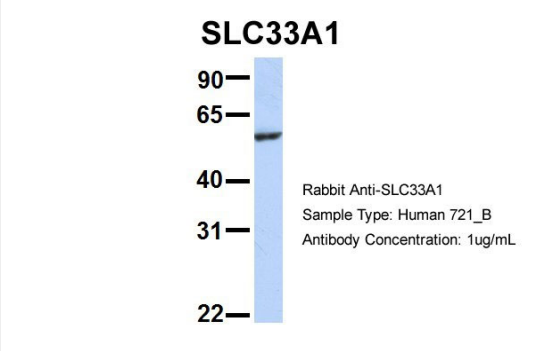
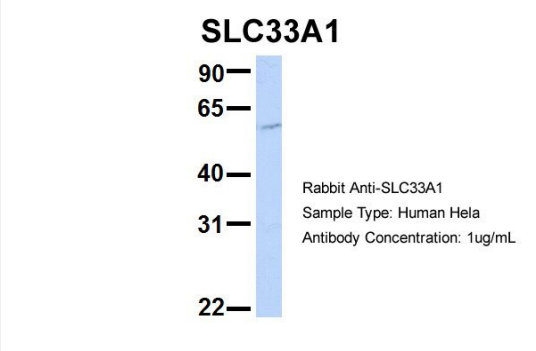
Rabbit Anti-SLC33A1 antibody
Formalin Fixed Paraffin Embedded Tissue: Human Adult Small intestine Observed Staining: Cytoplasm in hepatocytes
Primary Antibody
Concentration: 1:600
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody
Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 â€“ 2.0 sec



WB Suggested Anti-SLC33A1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Human Placenta



Host: Rabbit
Target Name: WT1
Sample Tissue: 721_B
Antibody Dilution: 1.0µg/mlSLC33A1 is supported by BioGPS gene expression data to be expressed in 721_B



Host: Rabbit

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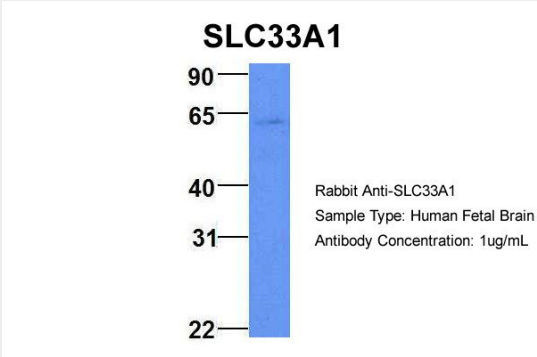
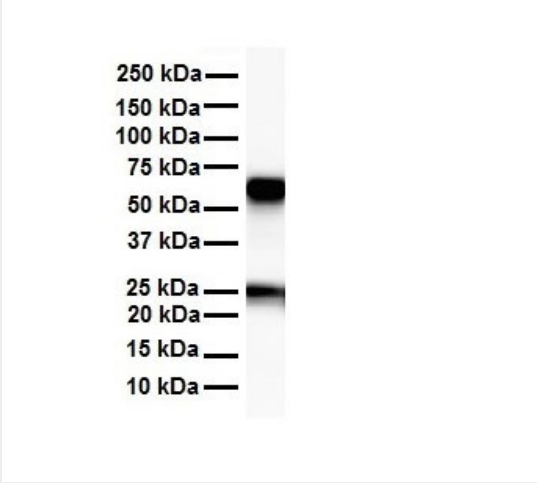
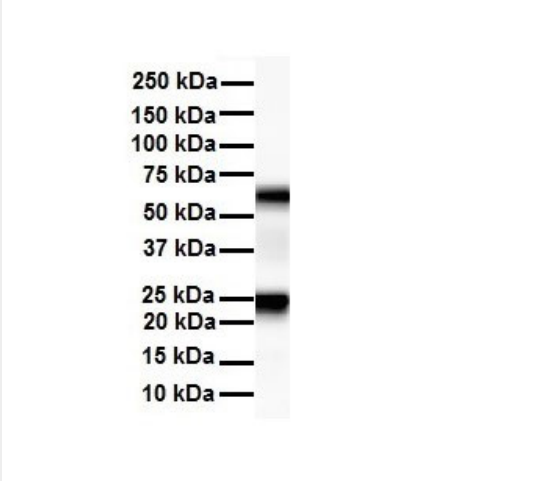
Target Name: EGFL8
Sample Tissue: Hela
Antibody Dilution: 1.0µg/mlSLC33A1 is strongly supported by BioGPS gene expression data to be expressed in Human HeLa cells



Host: Rabbit Target Name: NOP56 Sample Tissue: Human Fetal Brain Antibody Dilution: 1.0ug/ml



WB Suggested Anti-SLC33A1 antibody Titration: 1 µg/ml
Sample Type: Human heart



WB Suggested Anti-SLC33A1 antibody Titration: 1 ug/mL Sample Type: Human liver

SLC33A1 antibody - middle region - References

Hirabayashi,Y.,(2004)PflugersArch.447(5),760-762ReconstitutionandStorage:Forshorttermuse,store

at2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.