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Goat Anti-ALMS1 Antibody

Peptide-affinity purified goat antibody
Catalog # AF1052a

Specification

Goat Anti-ALMS1 Antibody - Product Information

Application	**IF, Pep-ELISA**
Primary Accession	Q8TCU4
Other Accession	NP_055935, 7840, 236266 (mouse), 297408 (rat)
Reactivity	**Human**
Predicted	**Mouse, Rat, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**461062**

Goat Anti-ALMS1 Antibody - Additional Information

Gene ID 7840

Other Names
Alstrom syndrome protein 1, ALMS1, KIAA0328

Dilution
IF~~1:50~200
Pep-ELISA~~N/A

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-ALMS1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-ALMS1 Antibody - Protein Information

Name ALMS1

Synonyms KIAA0328

Function
Involved in PCM1-dependent intracellular transport. Required, directly or indirectly, for the localization of NCAPD2 to the proximal ends of centrioles. Required for proper formation and/or maintenance of primary cilia (PC), microtubule-based structures that protrude from the surface of epithelial cells.

Cellular Location
Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, cilium basal body. Cytoplasm, cytoskeleton, spindle pole Note=Associated with centrosomes and basal bodies at the base of primary cilia. Specifically locates to the proximal ends of centrioles and basal bodies. Colocalizes partially with NCAPD2 at these sites During mitosis localizes to both spindle poles

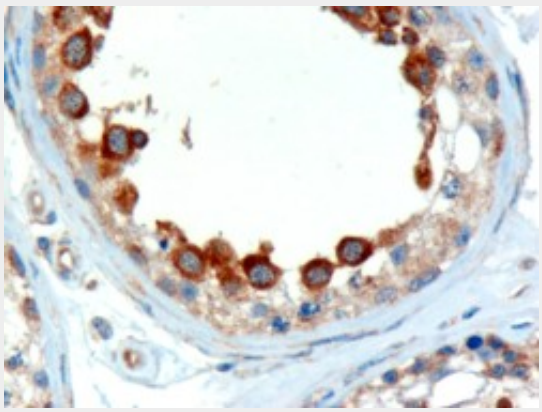
Tissue Location
Expressed in all tissues tested including adipose and pancreas. Expressed by beta-cells of the islets in the pancreas (at protein level).

Goat Anti-ALMS1 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 Cytomety
- Cell Culture

Goat Anti-ALMS1 Antibody - Images



EB05881 (2µg/ml) staining of paraffin embedded Human Testis. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining. **This data is from a previous batch, not on sale.**

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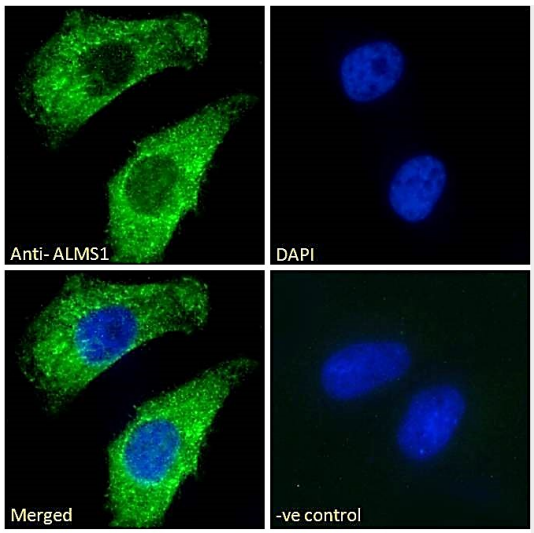
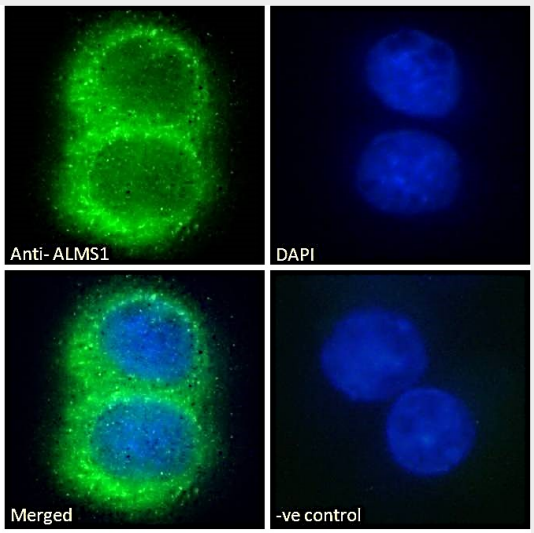


EB05881 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (b



EB05881 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (

Goat Anti-ALMS1 Antibody - Background

This gene encodes a protein containing a large tandem-repeat domain. The mouse ortholog of this gene has been shown to function in ciliogenesis in inner medullary collecting duct cells. Mutations in this gene have been associated with Alstrom syndrome. Alternative splice variants have been described but their full length sequences have not been determined.

Goat Anti-ALMS1 Antibody - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.
New loci associated with kidney function and chronic kidney disease. K□ttgen A, et al. Nat Genet, 2010 May. PMID 20383146.
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Sp1. Purvis TL, et al. Gene, 2010 Jul 15. PMID 20381594.
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.
Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.