

## Product datasheet

# Anti-ALMS1 antibody ab4306

1 Abreviews [画像数 2](#)

### 製品の概要

<b>製品名</b>	Anti-ALMS1 antibody
<b>製品の詳細</b>	Goat polyclonal to ALMS1
<b>由来種</b>	Goat
<b>特異性</b>	The C terminus of ALMS 1 shares an 8 amino acid stretch with two other human proteins: hypothetical protein (XP_169104) and ERAL1 (NP_005693). However, this stretch is located internally in these two proteins and so will most likely not cross-react with this antibody. The N terminus was not chosen as the peptide is expected to cyclise during synthesis. ALMS1 protein has got a molecular weight of approximately 460kD. ab4306 results in a WB band of the right size, confirming that this antibody recognises the right protein.
<b>アプリケーション</b>	<b>適用あり:</b> WB, IHC-P
<b>種交差性</b>	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse 
<b>免疫原</b>	Synthetic peptide: RVTNQLLGRKVPWD, corresponding to C terminal amino acids 4145-4167 of Human ALMS1. <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
<b>特記事項</b>	GenBank Accession Number – NP_055935. LocusLink ID - 7840 (human); 236266 (mouse).

### 製品の特性

<b>製品の状態</b>	Liquid
<b>保存方法</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>バッファー</b>	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, 5mg/ml Tris, pH 7.3
<b>精製度</b>	Immunogen affinity purified
<b>特記事項(精製)</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>ポリ/モノ</b>	ポリクローナル
<b>アイソタイプ</b>	IgG

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab4306** in the following tested applications.

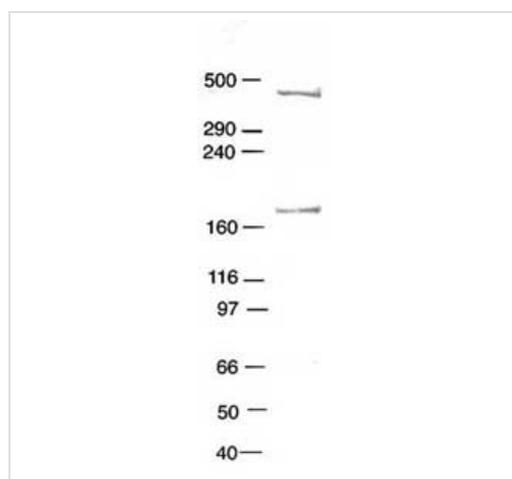
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/200. Detects a band of approximately 460 kDa (predicted molecular weight: 460 kDa). Can be blocked with <a href="#">Human ALMS1 peptide (ab23023)</a> .
IHC-P		Use a concentration of 1 - 3 µg/ml.

## ターゲット情報

機能	Possible role in intracellular trafficking.
組織特異性	Expressed in all tissues tested including adipose and pancreas. Expressed by beta-cells of the islets in the pancreas (at protein level).
関連疾患	Defects in ALMS1 are the cause of Alstrom syndrome (ALMS) [MIM:203800]. Alstrom syndrome is a rare autosomal recessive disorder characterized by progressive cone-rod retinal dystrophy, neurosensory hearing loss, early childhood obesity and type 2 diabetes mellitus. Dilated cardiomyopathy, acanthosis nigricans, male hypogonadism, hypothyroidism, developmental delay and hepatic dysfunction can also be associated with the syndrome.
発生段階	Widely expressed in fetal tissues. Detected in fetal pancreas, skeletal muscle, liver, kidney and brain (at protein level). Expressed in fetal aorta and brain.
翻訳後修飾	Phosphorylated upon DNA damage, probably by ATM or ATR.
細胞内局在	Cytoplasm. Cytoplasm > cytoskeleton > centrosome. Cytoplasm > cytoskeleton > cilium basal body. Cytoplasm > cytoskeleton > spindle pole. Associated with centrosomes and basal body at the base of primary cilia. During mitosis localizes to both spindle poles.

## 画像



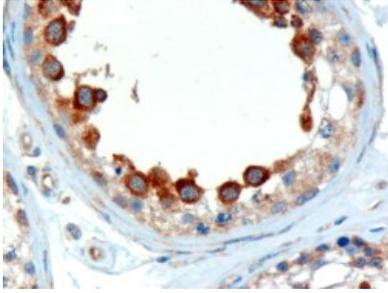
Western blot - Anti-ALMS1 antibody (ab4306)

20 µg of HeLa extract were run on a Tris Acetate NuPage 3-8% gel and probed with a 1:200 dilution of the ab4306 antibody.

The 460kD band represents ALMS1.

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The 460kD band represents ALMS1.



ab4306 (2 $\mu$ g/ml) staining of paraffin embedded Human Testis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ALMS1 antibody (ab4306)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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