abcam

Product datasheet

Anti-ARSA/ASA antibody ab77586

画像数 3

製品の概要

製品名	Anti-ARSA/ASA antibody
製品の詳細	Goat polyclonal to ARSA/ASA
由来種	Goat
アプリケーション	**適用あり:** IHC-P, WB, ICC, Flow Cyt (Intra)
種交差性	**交差種:** Mouse, Human **交差が予測される動物種:** Chimpanzee, Rhesus monkey
免疫原	Synthetic peptide corresponding to Human ARSA/ASA aa 429-440 (internal sequence). Sequence: C-YDLSKDPGENYN Database link: **NP_000478.2** Run BLAST with Run BLAST with
ポジティブ・コントロール	IHC: Human cortex staining WB: Mouse testis lysates and Recombinant Human ARSA/ASA protein (**ab116931**) Flow Cyt (intra): HeLa cells ICC: HeLa cells
特記事項	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 99% Tris buffered saline
精製度	Immunogen affinity purified
特記事項(精製)	ab77586 is purified from goat serum by ammonium sulphate precipitation followed by antigen

affinity chromatography using the immunizing peptide.

ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab77586の使用に適用されます

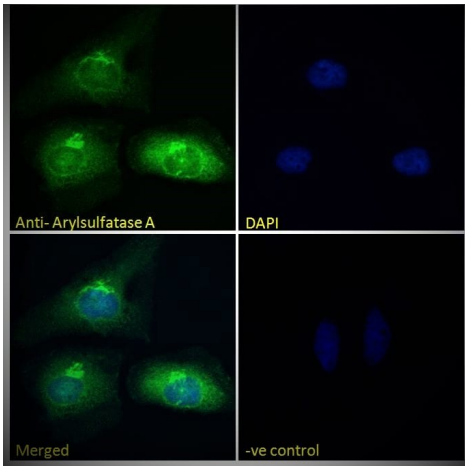
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 54 kDa (predicted molecular weight: 54 kDa). 1 hour primary incubation is recommended for this product. Approx 60-65Da band observed in Mouse and Rat Testis lysates.
ICC		Use a concentration of 10 µg/ml.
Flow Cyt (Intra)		Use a concentration of 10 µg/ml.

ターゲット情報

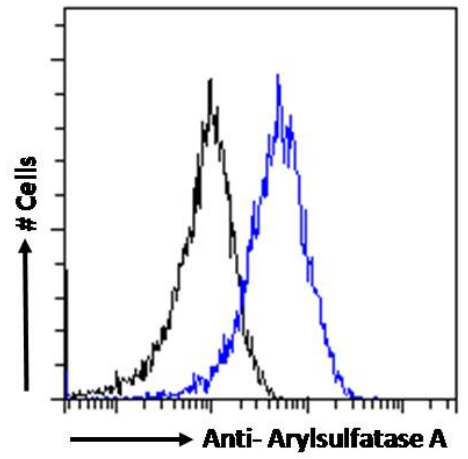
機能	Hydrolyzes cerebroside sulfate.
関連疾患	Defects in ARSA are a cause of leukodystrophy metachromatic (MLD) [MIM:250100]. MLD is a disease due to a lysosomal storage defect. It is characterized by intralysosomal storage of cerebroside-3-sulfate in neural and non-neural tissues, with a diffuse loss of myelin in the central nervous system. Progressive demyelination causes a variety of neurological symptoms, including gait disturbances, ataxias, optical atrophy, dementia, seizures, and spastic tetraparesis. Three forms of the disease can be distinguished according to the age at onset: late-infantile, juvenile and adult. Arylsulfatase A activity is defective in multiple sulfatase deficiency (MSD) [MIM:272200]. MSD is a disorder characterized by decreased activity of all known sulfatases. MSD is due to defects in SUMF1 resulting in the lack of post-translational modification of a highly conserved cysteine into 3-oxoalanine. It combines features of individual sulfatase deficiencies such as metachromatic leukodystrophy, mucopolysaccharidosis, chondrodysplasia punctata, hydrocephalus, ichthyosis, neurologic deterioration and developmental delay.
配列類似性	Belongs to the sulfatase family.
翻訳後修飾	The conversion to 3-oxoalanine (also known as C-formylglycine, FGly), of a serine or cysteine residue in prokaryotes and of a cysteine residue in eukaryotes, is critical for catalytic activity. This post-translational modification is severely defective in multiple sulfatase deficiency (MSD).
細胞内局在	Lysosome.

画像



Immunocytochemistry - Anti-ARSA/ASA antibody (ab77586)

Immunofluorescence analysis of HeLa cells labelling ARSA/ASA with ab77586 at 10 µg/mL. Cells were permeabilized with 0.15% Triton X-100. Alexa Fluor 488 secondary antibody (2ug/ml). Nuclear DNA was labelled with DAPI (blue). Negative control: Unimmunized goat IgG 10 µg/mL.



Flow Cytometry (Intracellular) - Anti-ARSA/ASA antibody (ab77586)

Flow Cytometry analysis of HeLa (human epithelial cell line from cervix adenocarcinoma) cells labelling ARSA/ASA with ab77586 at 10 µg/mL. Cells were permeabilised with 0.5% Triton. Alexa Fluor 488 secondary antibody (1ug/ml). Unimmunized goat IgG was used as the isotype control (black).

Western blot - Anti-ARSA/ASA antibody (ab77586)

Anti-ARSA/ASA antibody (ab77586) at 0.5 µg/ml + Mouse Testis lysate (in RIPA buffer) at 35 µg

Predicted band size: 54 kDa
Observed band size: 54 kDa

Primary incubation was 1 hour.

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