

Anti-ARSA/ASA antibody ab77586

3 图像

概述

产品名称	Anti-ARSA/ASA抗体
描述	山羊多克隆抗体to ARSA/ASA
宿主	Goat
经测试应用	适用于: IHC-P, WB, ICC, Flow Cyt (Intra)
种属反应性	与反应: Mouse, Human 预测可用于: 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
阳性对照	IHC: Human cortex staining WB: Mouse testis lysates and Recombinant Human ARSA/ASA protein (ab116931) Flow Cyt (intra): HeLa cells ICC: HeLa cells
常规说明	<p>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.</p> <p>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</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 99% Tris buffered saline
纯度	Immunogen affinity purified
纯化说明	ab77586 is purified from goat serum by ammonium sulphate precipitation followed by antigen

affinity chromatography using the immunizing peptide.

克隆

多克隆

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab77586于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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.

靶标

功能

Hydrolyzes cerebroside sulfate.

疾病相关

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.

序列相似性

Belongs to the sulfatase family.

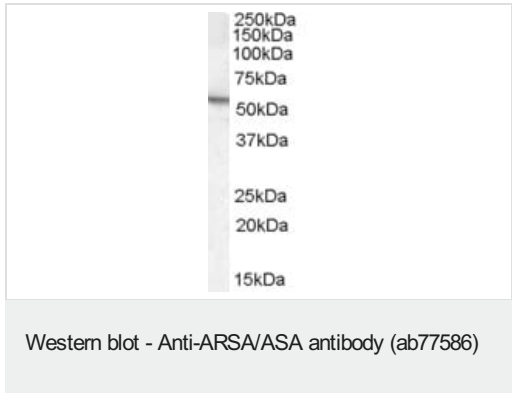
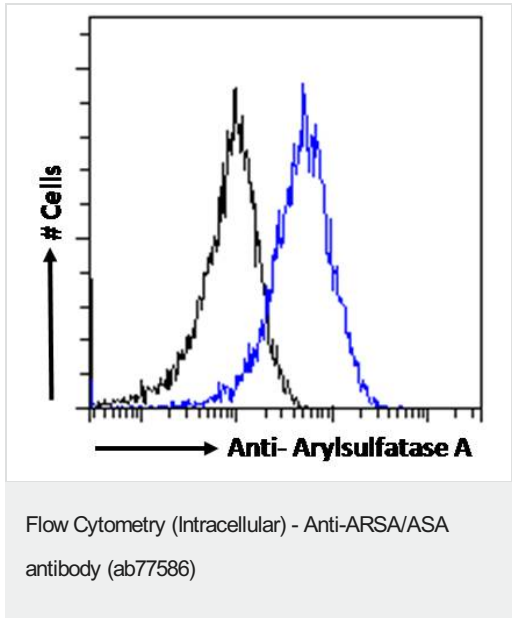
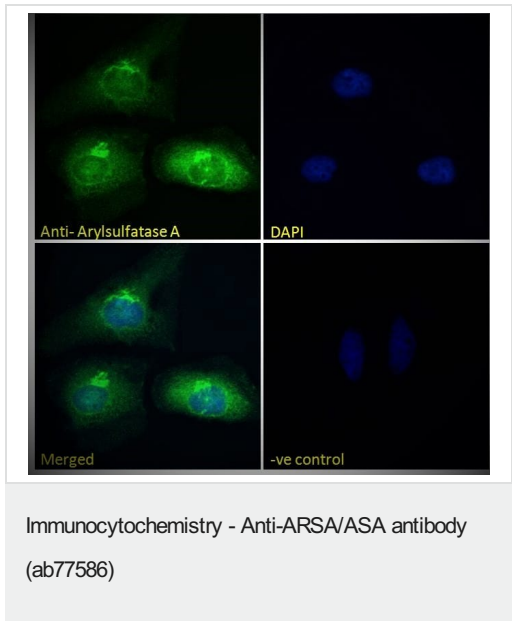
翻译后修饰

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).

细胞定位

Lysosome.

图片



Primary incubation was 1 hour.

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