



Arylsulfatase A Monoclonal Antibody

Catalog No	YP-mAb-03725
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ARSA
Immunogen	The antiserum was produced against synthesized peptide derived from human ARSA. AA range:251-300
Specificity	Arylsulfatase A Monoclonal Antibody detects endogenous levels of Arylsulfatase A protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ARSA;arylsulfatase A;ASA;Cerebroside sulfatase;MLD;Cerebroside-sulfatase
Observed Band	54kD
Calculated Molecular Weight	54kD
Cell Pathway	Endoplasmic reticulum . Lysosome .
Tissue Specificity	B-cell,Liver,Small intestine,Testis,
Function	catalytic activity:A cerebroside 3-sulfate + H(2)O = a cerebroside + sulfate., cofactor:Binds 1 magnesium ion per subunit.,disease: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.,disease: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 tis

Background

The protein encoded by this gene hydrolyzes cerebroside sulfate to cerebroside and sulfate. Defects in this gene lead to metachromatic leucodystrophy (MLD), a progressive demyelination disease which results in a variety of neurological symptoms and ultimately death. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Dec 2010],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

