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diagnostic or therapeutic use.**

EB07457 - Goat Anti-Arylsulfatase A Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ARSA, arylsulfatase A, MLD, cerebroside-sulfatase, cerebroside 3-sulfatase

Official Symbol: ARSA

Accession Number(s): NP_000478.2

Human GeneID(s): [410](#)

Non-Human GeneID(s): 11883 (mouse), 315222 (rat)

Immunogen

Peptide with sequence C-YDLKDPGENYN, from the internal region of the protein sequence according to NP_000478.2.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 55kDa band observed in Mouse Testis lysates (calculated MW of 53.6kDa according to human NP_000478.2 and 53.7kDa according to Mouse NP_033843.2). Recommended concentration: 0.5-1.5µg/ml. Primary incubation was 1 hour.

Species Reactivity

Tested: Mouse

Expected from sequence similarity: Human, Mouse, Rat

Specific References

This antibody has been successfully used in the following paper:

Kanbe H, Kamijo Y, Nakajima T, Tanaka N, Sugiyama E, Wang L, Fang ZZ, Hara A, Gonzalez FJ, Aoyama T.

Chronic ethanol consumption decreases serum sulfatide levels by suppressing hepatic cerebroside sulfotransferase expression in mice.

Arch Toxicol. 2014 Feb;88(2):367-79.

PMID: 24065054

This antibody has been successfully used in WB on Mouse in the following paper:

Kimura T, Nakajima T, Kamijo Y, Tanaka N, Wang L, Hara A, Sugiyama E, Tanaka E, Gonzalez FJ, Aoyama T.

Hepatic Cerebroside Sulfotransferase Is Induced by PPAR α Activation in Mice.

PPAR Res. 2012;2012:174932.

PMID: 22645601

This antibody has been successfully used in WB on Mouse in the following paper:

Kiebish MA, Young DM, Lehman JJ, Han X.

Chronic caloric restriction attenuates a loss of sulfatide content in PGC-1 α ^{-/-} mouse

cortex: a potential lipidomic role of PGC-1 α in neurodegeneration.

J Lipid Res. 2012 Feb;53(2):273-81.

PMID: 22114039

This antibody has been successfully used in the following paper:

Zhang X, Nakajima T, Kamijo Y, Li G, Hu R, Kannagi R, Kyogashima M, Aoyama T, Hara A.

Acute kidney injury induced by protein-overload nephropathy down-regulates gene expression of hepatic cerebroside sulfotransferase in mice, resulting in reduction of liver and serum sulfatides.

Biochem Biophys Res Commun. 2009 Dec 25;390(4):1382-8.

PMID: 19895791

EB07457 (0.5µg/ml) staining of Mouse Testis lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.