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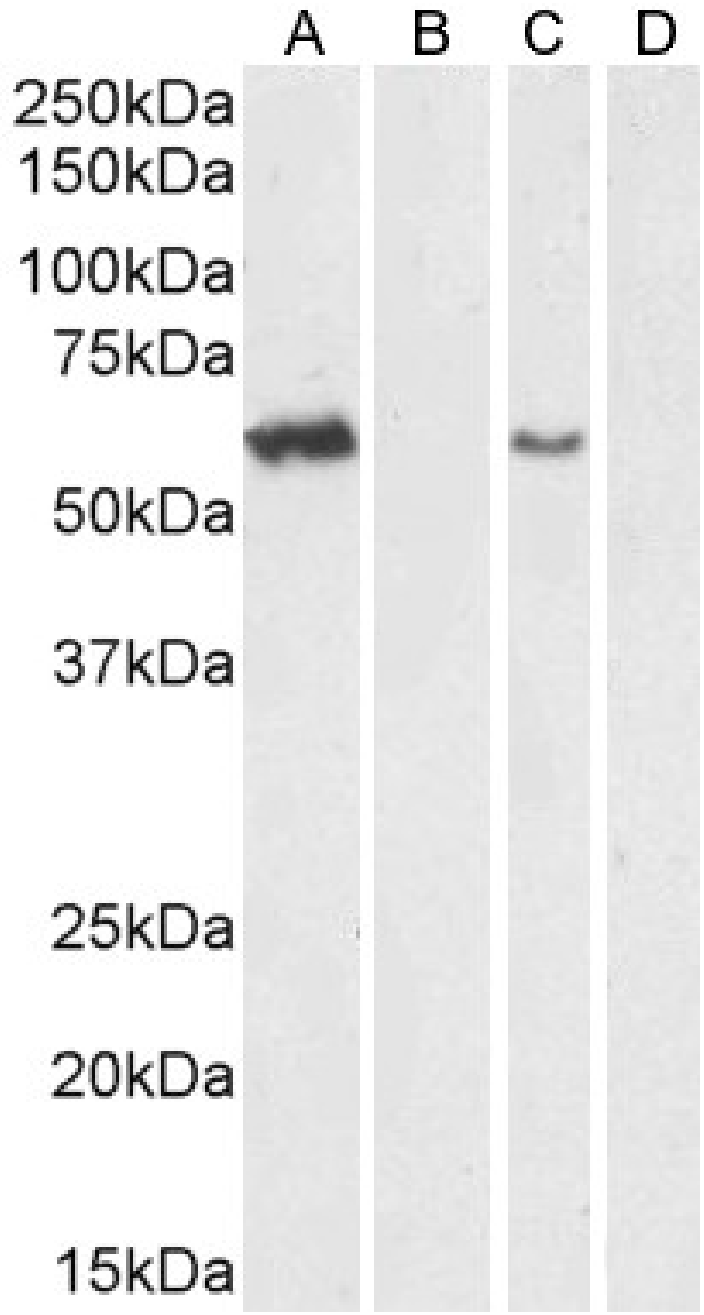
GOAT ANTI-ARYLSULFATASE A ANTIBODY

SKU: EB07457



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SPECIFICATIONS

Formulation	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	cerebroside 3-sulfatase|cerebroside-sulfatase|MLD|arylsulfatase A|ARSA
Usage Summary	Immunofluorescence: Strong expression of the protein seen in the Golgi apparatus of HeLa cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.
Accession ID	NP_000478.3; NP_001078897.1
Blocking Peptide	EBP07457
Immunogen	Peptide with sequence C-YDLSKDPGENYN, from the internal region of the protein sequence according to NP_000478.3; NP_001078897.1.
Peptide Sequence	C-YDLSKDPGENYN
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Mouse, Rat
Reactive Species	Human, Mouse, Rat
Human Gene ID	410
Mouse Gene ID	11883
Rat Gene ID	315222
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png
IHC Results	Paraffin embedded Human Brain (Cortex) and Testis. Recommended concentration: 5µg/ml.
ELISA Detection Limit	Antibody detection limit dilution 1:32000.
Western Blot	Approx 60-65Da band observed in Mouse and Rat Testis lysates (calculated MW of 53.7kDa according to Mouse NP_033843.2 and Rat NP_001030105.2;). This molecular weight is routinely observed by other sources and was successfully blocked by incubation with the immunizing peptide. Recommended concentration:0.3-1µg/ml. Primary incubation 1 hour at room temperature.
Application Type	Pep-ELISA, WB, IHC, IF, FC

SELECTED REFERENCES

[{"pmid": 22645601, "intro": "**This antibody has been successfully used in WB on Mouse in the following paper:**", "title": "Hepatic Cerebroside Sulfotransferase Is Induced by PPAR? Activation in Mice.", "author": "Kimura T, Nakajima T, Kamijo Y, Tanaka N, Wang L, Hara A, Sugiyama E, Tanaka E, Gonzalez FJ, Aoyama T", "journal": "PPAR Res. 2012;2012:174932."}, {"pmid": 30341732, "intro": "**This antibody has been successfully used in WB on Mouse:**", "title": "Peroxisome proliferator-activated receptor ? attenuates high-cholesterol diet-induced toxicityand pro-thrombotic effects in mice.", "author": "Lu Y, Harada M, Kamijo Y, Nakajima T, Tanaka N, Sugiyama E, Kyogashima M, Gonzalez FJ, Aoyama T", "journal": "Arch Toxicol. 2019 Jan;93(1):149-161"}, {"pmid": 24065054, "intro": "**This antibody has been successfully used in the following paper:**", "title": "Chronic ethanol consumption decreases serum sulfatide levels by suppressing hepatic cerebroside sulfotransferase expression in mice.", "author": "Kanbe H, Kamijo Y, Nakajima T, Tanaka N, Sugiyama E, Wang L, Fang ZZ, Hara A, Gonzalez FJ, Aoyama T", "journal": "Arch Toxicol. 2014 Feb;88(2):367-79."}, {"pmid": 30531843, "intro": "**This antibody has been successfully used in Western blot on Mouse:**", "title": "Effects of hypertension and antihypertensive treatments on sulfatidelevels in serum and its metabolism", "author": "Guo R, Hu X, Yamada Y, Harada M, Nakajima T, Kashihara T, Yamada M, Aoyama T, Kamijo Y", "journal": "Hypertens Res. 2019 May;42(5):598-609."}, {"pmid": 19895791, "intro": "**This antibody has been successfully used in the following paper:**", "title": "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.", "author": "Zhang X, Nakajima T, Kamijo Y, Li G, Hu R, Kannagi R, Kyogashima M, Aoyama T, Hara A.", "journal": "Biochem Biophys Res Commun. 2009 Dec 25;390(4):1382-8."}, {"pmid": 22114039, "intro": "**This antibody has been successfully used in WB on Mouse in the following paper:**", "title": "Chronic caloric restriction attenuates a loss of sulfatide content in PGC-1?-/- mouse cortex: a potential lipidomic role of PGC-1? in neurodegeneration.", "author": "Kiebish MA, Young DM, Lehman JJ, Han X.", "journal": "J Lipid Res. 2012 Feb;53(2):273-81."}]

DOCUMENTS

- Data Sheet

GALLERY IMAGES

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