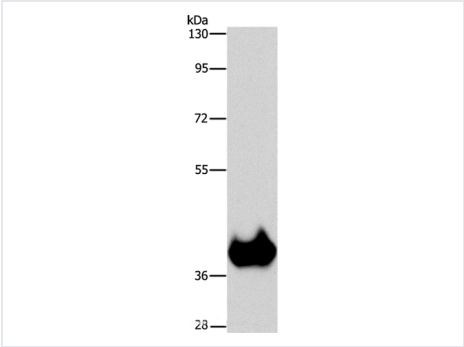
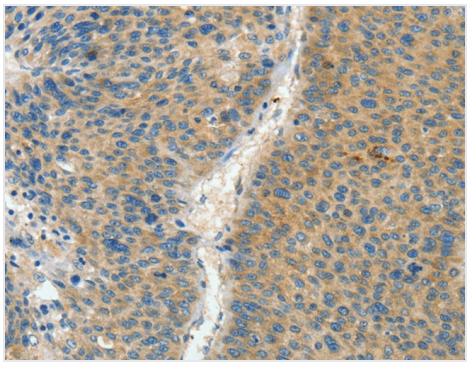
ASPA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

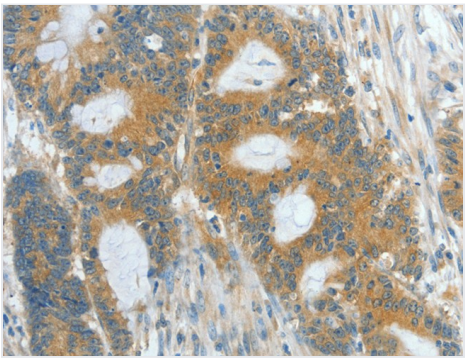
Product Name	ASPA, Polyclonal Antibody
Full Product Name	ASPA Polyclonal Antibody
Product Gene Name	anti-ASPA antibody
Product Synonym Names	ASP; ACY2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.05% sodium azide and 50% glycerol, pH7.4
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20°C. Avoid freeze/thaw cycles.
Molecular Weight	Calculated Molecular Weight: 36kDa
3D Structure	ModBase 3D Structure for Q6FH48
Immunogen	Recombinant protein of human ASPA
Note	Centrifuge before opening to ensure complete recovery of vial contents
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ASPA antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-ASPA antibody	WB: 1:1000-1:5000 IHC: 1:50-1:200
Related Product Information for anti-ASPA antibody	This gene encodes an enzyme that catalyzes the conversion of N-acetyl_L-aspartic acid (NAA) to aspartate and acetate. NAA is abundant in the brain where hydrolysis by aspartoacylase is thought to help maintain white matter. This protein is an NAA scavenger in other tissues. Mutations in this gene cause Canavan disease. Alternatively spliced transcript variants have been found for this gene.
Other Notes	Small volumes of anti-ASPA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ASPA purchase	MBS2522090 is an antibody targeting ASPA. Also known as ASPA Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-ASPA antibody
Western Blot analysis of Mouse brain tissue using ASPA Polyclonal Antibody at dilution of 1:1150



Immunohistochemistry (IHC) of anti-ASPA antibody
Immunohistochemistry of paraffin-embedded Human liver cancer using ASPA Polyclonal Antibody at dilution of 1:60



Immunohistochemistry (IHC) of anti-ASPA antibody
Immunohistochemistry of paraffin-embedded Human colon cancer using ASPA Polyclonal Antibody at dilution of 1:60

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ASPA. It may not necessarily be applicable to this product.

NCBI GI #	49456771
NCBI GeneID	443
NCBI Accession #	CAG46706.1
UniProt Primary Accession #	Q6FH48
UniProt Related Accession #	P45381
NCBI Official Full Name	ASPA, partial
NCBI Official Synonym Full Names	aspartoacylase
NCBI Official Symbol	ASPA
NCBI Official Synonym Symbols	ASP; ACY2
UniProt Protein Name	ASPA protein
UniProt Synonym Protein Names	ASPA protein
Protein Family	Aspartate ammonia-lyase
UniProt Gene Name	ASPA
UniProt Entry Name	Q6FH48_HUMAN
NCBI Protein Information	aspartoacylase; ACY-2; aminoacylase 2; aminoacylase-2

UniProt Comments for ASPA	ASPA: Catalyzes the deacetylation of N-acetylaspartic acid (NAA) to produce acetate and L-aspartate. NAA occurs in high concentration in brain and its hydrolysis NAA plays a significant part in the maintenance of intact white matter. In other tissues it act as a scavenger of NAA from body fluids. Defects in ASPA are the cause of Canavan disease (CAND); also known as spongy degeneration of the brain. CAND is a rare neurodegenerative condition of infancy or childhood characterized by white matter vacuolization and demeylination that gives rise to a spongy appearance. The clinical features are onset in early infancy, atonia of neck muscles, hypotonia, hyperextension of legs and flexion of arms, blindness, severe mental defect, megalocephaly, and death by 18 months on the average. Belongs to the AspA/AstE family. Aspartoacylase subfamily. Protein type: Amino Acid Metabolism - alanine, aspartate and glutamate; Hydrolase; Amino Acid Metabolism - histidine; EC 3.5.1.15 Chromosomal Location of Human Ortholog: 17p13.3 Cellular Component: cytoplasm; nucleus Molecular Function: protein binding; metal ion binding; hydrolase activity, acting on ester bonds; aspartoacylase activity; aminoacylase activity Biological Process: myelination in the central nervous system; aspartate catabolic process; positive regulation of oligodendrocyte differentiation Disease: Canavan Disease
Research Articles on ASPA	**1.** report of 2 Egyptian sibling patients suspected of Canavan disease (CD); study revealed homozygosity for substitution T530C (Ile177Thr) in exon 4 of the ASPA gene in both sibs; substitution T530C (Ile177Thr) results in a novel missense mutation causing a CD phenotype with severe clinical characteristics
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-rat-antibody/aspa/2522090