

KD-Validated Anti-ASRGL1 Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI2181

Product Information

Application	WB, FC
Primary Accession	Q7L266
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Names	24GB14265
Calculated MW	32055
Gene Name	ASRGL1
Aliases	ASRGL1; Asparaginase And Isoaspartyl Peptidase 1; ALP; ALP1; Isoaspartyl Peptidase/L-Asparaginase; Asparaginase-Like 1 Protein; L-Asparagine Amidohydrolase; Asparaginase-Like Protein 1; Beta-Aspartyl-Peptidase; Isoaspartyl Dipeptidase; Asparaginase Like 1; EC 3.5.1.1; FLJ22316; CRASH; Testis Secretory Sperm-Binding Protein Li 242mP; L-Asparaginase; EC 3.4.19.5
Immunogen	Recombinant protein of human ASRGL1

Additional Information

Gene ID	80150
Other Names	Isoaspartyl peptidase/L-asparaginase, 3.4.19.5, 3.5.1.1, Asparaginase-like protein 1, Beta-aspartyl-peptidase, Isoaspartyl dipeptidase, L-asparagine amidohydrolase, Isoaspartyl peptidase/L-asparaginase alpha chain, Isoaspartyl peptidase/L-asparaginase beta chain, ASRGL1, ALP, CRASH

Protein Information

Name	ASRGL1
Synonyms	ALP, CRASH
Function	Has both L-asparaginase and beta-aspartyl peptidase activity. May be involved in the production of L-aspartate, which can act as an excitatory neurotransmitter in some brain regions. Is highly active with L-Asp beta-methyl ester. Besides, has catalytic activity toward beta-aspartyl dipeptides and their methyl esters, including beta-L-Asp- L-Phe, beta-L-Asp-L-Phe methyl ester (aspartame), beta-L-Asp-L-Ala, beta-L-Asp-L-Leu and beta-L-Asp-L-Lys. Does not have aspartylglucosaminidase activity and is inactive toward GlcNAc-L-Asn. Likewise, has no activity toward glutamine.
Cellular Location	Cytoplasm. Note=Midpiece of sperm tail
Tissue Location	Expressed in brain, kidney, testis and tissues of the gastrointestinal tract.

Present in sperm (at protein level). Over- expressed in uterine, mammary, prostatic and ovarian carcinoma

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