

Anti- Liver Arginase*B1G1 Antibody

GenWay ID:	GWB-C52061
Legacy ID:	18-272-197044
Size:	1 mg
Source:	Rabbit
Reactivity:	Cross-reacts with Cow. Not yet tested in other species.

Details for Anti- Liver Arginase*B1G1 Antibody

Isotype: IgG

Immunogen: Arginase [Bovine Liver]

Antigen Species: Bovine

Specificity: Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum as well as purified and partially purified Arginase [Bovine Liver]. **Target:** Liver Arginase

Concentration: 10 mg/ml

Purification Note: From polyclonal serum **Storage Buffer:** 0.02 M Potassium Phosphate, 0.15 M sodium chloride, pH 7.2, containing 10 mg/ml bovine serum albumin and 0.01% sodium azide

Application Note: This product has been assayed against 1.0 microg of Arginase [Bovine Liver] in a standard sandwich ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:4,000 is suggested. Not tested in other applications. Optimal dilutions/concentrations should be determined by the end user. Suitable for immunoblotting (western or dot blot), ELISA, immunoprecipitation, conjugation and most immunological methods requiring high titer and specificity.

Catalytic Activity: L-arginine + H₂O = L-ornithine + urea.

Cofactor: Binds 2 manganese ions per subunit.

Pathway: Nitrogen metabolism; urea cycle; L-ornithine and urea from L-arginine: step 1/1.

Subunit: Homotrimer.

Subcellular Location: Cytoplasm.

Induction: By arginine or homoarginine.

Disease: Defects in ARG1 are the cause of argininemia [MIM:207800]; also known as hyperargininemia. Argininemia is a rare autosomal recessive disorder of the urea cycle. Arginine is elevated in the blood and cerebrospinal fluid, and periodic hyperammonemia occurs. Clinical manifestations include

developmental delay, seizures, mental retardation, hypotonia, ataxia, progressive spastic quadriplegia.

Similarity: Belongs to the arginase family.

Additional Info for Anti- Liver Arginase*B1G1 Antibody

Related Product Names	Rabbit polyclonal to liver Arginase; 383; ARG1; 207800; P05089; 383; ARG1; 207800; P05089; Liver Arginase*B1G1 Liver Arginase
NCBI Acc Number	NP_000036.2
Purity	IgG fraction
Format	Liquid
Clonality	Polyclonal
Storage	Keep as concentrated solution. Store at 4C short term. For extended storage add 50% glycerol, aliquot and store at -20C or below. Avoid freeze-thaw cycles.
Molecular Weight	34735
Swiss Prot Number	P05089
Applications	Conjugation, ELISA, IHC, IM, IP, WB