CMC2 Polyclonal Antibody

Catalog No	BYab-05398
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	SLC25A13 ARALAR2
Protein Name	Calcium-binding mitochondrial carrier protein Aralar2 (Citrin) (Mitochondrial aspartate glutamate carrier 2) (Solute carrier family 25 member 13)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	CMC2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	74kD
Cell Pathway	Mitochondrion inner membrane ; Multi-pass membrane protein .
Tissue Specificity	High levels in liver and low levels in kidney, pancreas, placenta, heart and brain.
Function	disease:Defects in SLC25A13 are the cause of citrullinemia type 2 (CTLN2) [MIM:603471]. Citrullinemia belongs to the urea cycle disorders. It is an autosomal recessive disease characterized primarily by elevated serum and urine citrulline levels. Ammonia intoxication is another manifestation. CTLN2 is characterized by neuropsychiatric symptoms including abnormal behaviors, loss of memory, seizures and coma. Death can result from brain edema. Onset is sudden and usually between the ages of 20 and 50 years.,disease:Defects in SLC25A13 are the cause of neonatal intrahepatic cholestasis due to citrin deficiency (NICCD) [MIM:605814]. NICCD is a form of citrullinemia type 2 with neonatal onset. NICCD is characterized by suppression of the bile flow, hepatic fibrosis, low birth weight, growth retardation, hypoproteinemia, variable liver dysfunction. NICCD is generally not severe and symptoms di

Background	This gene is a member of the mitochondrial carrier family. The encoded protein contains four EF-hand Ca(2+) binding motifs in the N-terminal domain, and localizes to mitochondria. The protein catalyzes the exchange of aspartate for glutamate and a proton across the inner mitochondrial membrane, and is stimulated by calcium on the external side of the inner mitochondrial membrane. Mutations in this gene result in citrullinemia, type II. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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