RecomAb™

ASS1 recombinant monoclonal antibody, clone R09-2V1

Catalog # RAB05618 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ASS1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against corresponding to human ASS1.
Theoretical MW (kDa)	Calculated MW: 47 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Isotype	IgG
Recommend Usage	Flow Cytometry (1/50-1/100) Immunofluorescence (1/50-1/200) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1/50-1/100) Immunoprecipitation (1/20) Western Blot (1/500-1/1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry

Gene Info — ASS1

Entrez GeneID	445
Gene Name	ASS1
Gene Alias	ASS, CTLN1
Gene Description	argininosuccinate synthetase 1
Omim ID	215700 603470
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene catalyzes the penultimate step of the arginine biosynthetic path way. There are approximately 10 to 14 copies of this gene including the pseudogenes scattered a cross the human genome, among which the one located on chromosome 9 appears to be the only functional gene for argininosuccinate synthetase. Mutations in the chromosome 9 copy of ASS ca use citrullinemia. Two transcript variants encoding the same protein have been found for this gene . [provided by RefSeq
Other Designations	OTTHUMP00000022362|OTTHUMP00000022363|OTTHUMP00000022364|citrulline--aspartate ligase

Pathway

- Alanine
- Arginine and proline metabolism
- Metabolic pathways

Disease

- Cardiovascular Diseases

- Diabetes Mellitus
- Edema