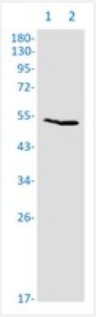
RecomAb™

WARS1 recombinant monoclonal antibody, clone R06-5I7

Catalog # RAB04424 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: mouse brain tissue and Lane 2: rat brain tissue with WARS1 recombinant monoclonal antibody, clone R06-5I7 (Cat # RAB04424).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human WARS1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human WARS1.
Theoretical MW (kDa)	Calculated MW: 53 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.

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Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
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

- Immunohistochemistry
- Western Blot

  Western blot analysis of Lane 1: mouse brain tissue and Lane 2: rat brain tissue with WARS1 recombinant monoclonal antibody, clone R06-5I7 (Cat # RAB04424).

Gene Info — WARS

Entrez GeneID	7453
Protein Accession#	P23381
Gene Name	WARS
Gene Alias	GAMMA-2, IFI53, IFP53
Gene Description	tryptophanyl-tRNA synthetase
Omim ID	191050
Gene Ontology	Hyperlink
Gene Summary	Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. B ecause of their central role in linking amino acids with nucleotide triplets contained in tRNAs, amin oacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Two forms of tryptophanyl-tRNA synthetase exist, a cytoplasmic form, named WARS, and a mitochond rial form, named WARS2. Tryptophanyl-tRNA synthetase (WARS) catalyzes the aminoacylation of tRNA(trp) with tryptophan and is induced by interferon. Tryptophanyl-tRNA synthetase belongs to t he class I tRNA synthetase family. Four transcript variants encoding two different isoforms have b een found for this gene. [provided by RefSeq
Other Designations	interferon-induced protein 53|tryptophan tRNA ligase 1, cytoplasmic

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Pathway

- Aminoacyl-tRNA biosynthesis
- Tryptophan metabolism

Disease

- Atherosclerosis
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Myocardial Infarction

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