

**Anti-Human/Mouse/Monkey IARS2 Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA04586**

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3th Edition

**Description:** Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Two forms of isoleucine-tRNA synthetase exist, a cytoplasmic form and a mitochondrial form. This gene encodes the mitochondrial isoleucine-tRNA synthetase which belongs to the class-I aminoacyl-tRNA synthetase family. IARS2 (Isoleucyl-TRNA Synthetase 2, Mitochondrial) is a Protein Coding gene. Diseases associated with IARS2 include Cataracts, Growth Hormone Deficiency, Sensory Neuropathy, Sensorineural Hearing Loss, And Skeletal Dysplasia and Esophageal Candidiasis. Among its related pathways are Gene Expression and tRNA Aminoacylation. GO annotations related to this gene include nucleotide binding and aminoacyl-tRNA editing activity.

**Antigen:** Synthesized peptide derived from the N-terminal region of human IARS2

**Form:**

**How to use:** 1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:** PBS (pH7.4) containing 1% BSA

**Application:** This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:**