

**Anti-Human/Mouse/Rat YARS Polyclonal Antibody****Polyclonal Antibody****Cat.NO.: PA04510**

3th Edition

**Description:**YARS (Tyrosyl-TRNA Synthetase) is a Protein Coding gene. Diseases associated with YARS include Charcot-Marie-Tooth Disease, Dominant Intermediate C and Intermediate Charcot-Marie-Tooth Neuropathy. Among its related pathways are Gene Expression and tRNA Aminoacylation. GO annotations related to this gene include poly(A) RNA binding and signal transducer activity. 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. Tyrosyl-tRNA synthetase belongs to the class I tRNA synthetase family. Cytokine activities have also been observed for the human tyrosyl-tRNA synthetase, after it is split into two parts, an N-terminal fragment that harbors the catalytic site and a C-terminal fragment found only in the mammalian enzyme. The N-terminal fragment is an interleukin-8-like cytokine, whereas the released C-terminal fragment is an EMAP II-like cytokine.

**Antigen:**Synthesized peptide derived from TyrRS

**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:**