# YARS rabbit monoclonal antibody

Catalog # H00008565-K Size 100 ug x up to 3

## Specification

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| **Product Description** | Rabbit monoclonal antibody raised against a human YARS peptide using ARM Technology. |
| **Immunogen** | A synthetic peptide of human YARS is used for rabbit immunization.<br>Customer or Abnova will decide on the preferred peptide sequence. |
| **Host** | Rabbit |
| **Library Construction** | Non-fusion antibody library from rabbit spleen (ARM Technology). |
| **Expression** | Overexpression vector and transfection into 293H cell line. |
| **Reactivity** | Human |
| **Purification** | Protein A |
| **Isotype** | IgG |
| **Quality Control Testing** | Antibody reactive against human YARS peptide by ELISA and mammalian transfected lysate by We stern Blot. |
| **Storage Buffer** | In 1x PBS, pH 7.4 |
| **Storage Instruction** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| **Deliverable** | Up to three rabbit IgG clones of 100 ug each will be delivered to customer. |
| **Note** | 1. Customer may provide cell or tissue lysate for antibody screening.<br>2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request. |

## Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

## Gene Info — YARS

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| **Entrez GeneID** | 8565 |
| **GeneBank Accession#** | YARS |
| **Gene Name** | YARS |
| **Gene Alias** | CMTDIC, TYRRS, YRS, YTS |
| **Gene Description** | tyrosyl-tRNA synthetase |
| **Omim ID** | 603623 608323 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | 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. [provided by RefSeq |
| **Other Designations** | OTTHUMP00000004027\|tyrosine tRNA ligase 1, cytoplasmic |

## Pathway

- Aminoacyl-tRNA biosynthesis