

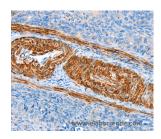
Tel:240-252-7368(USA) Fax: 240-252-7376(USA) techsupport@elabscience.com Website: www.elabscience.com

# **AARS Polyclonal Antibody**

Catalog No. E-AB-16145 Reactivity H,R Store at -20°C. Avoid freeze / thaw cycles. Rabbit **Storage** Host **Applications IHC,ELISA Isotype IgG** 

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### **Images**



Immunohistochemistry of paraffinembedded Human cervical cancer tissue using AARS Polyclonal Antibody at dilution 1:60

### **Immunogen Information**

**Immunogen** Synthetic peptide of human AARS

NP\_001596 **Gene Accession** P49588 **Swissprot Synonyms** CMT2N

#### **Product Information**

**Buffer** PBS with 0.05% sodium azide and 50% glycerol,

PH7.4

**Purify** Affinity purification Dilution IHC 1:50-1:200

## **Background**

The human alanyl-tRNA synthetase (AARS) belongs to a family of tRNA synthases, of the class II enzymes. Class II tRNA synthases evolved early in evolution and are highly conserved. This is reflected by the fact that 498 of the 968-residue polypeptide human AARS shares 41% identity with the E.coli protein. tRNA synthases are the enzymes that interpret the RNA code and attach specific aminoacids to the tRNAs that contain the cognate trinucleotide anticodons. They consist of a catalytic domain which interacts with the amino acid acceptor-T psi C helix of the tRNA, and a second domain which interacts with the rest of the tRNA structure.