

**Product Name: GUF1 Rabbit Polyclonal Antibody****Catalog #: APRab11860**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC, ICC/IF, ELISA
<b>Reactivity</b>	Human, Rat, Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

**Dilution Ratio** IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:10000-1:20000

**Molecular Weight**

**Antigen Information**

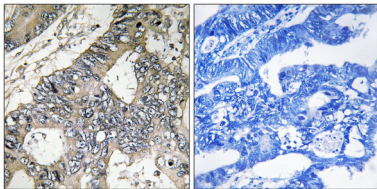
<b>Gene Name</b>	GUF1
<b>Alternative Names</b>	GUF1; Translation factor GUF1; mitochondrial; Elongation factor 4 homolog; EF-4; GTPase GUF1; Ribosomal back-translocase
<b>Gene ID</b>	60558.0
<b>SwissProt ID</b>	Q8N442
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human GUF1. AA range:421-470

**Background**

This gene encodes a GTPase that triggers back-translocation of the elongating ribosome during mitochondrial protein synthesis. The protein contains a highly conserved C-terminal domain not found in other GTPases that facilitates tRNA binding. The encoded protein is thought to prevent misincorporation of amino acids in stressful, suboptimal conditions. An allelic variant in this gene has been associated with early infantile epileptic encephalopathy-40. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016],similarity:Belongs to the GTP-binding elongation factor family. LepA subfamily.,

## Research Area

## Image Data



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using GUF1 Antibody. The picture on the right is blocked with the synthesized peptide.