

**EF-Tu rabbit pAb****Cat#: orb770337 (Manual)**

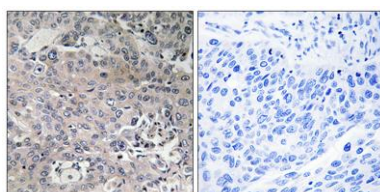
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	EF-Tu rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human TUFM. AA range:301-350
<b>Specificity</b>	EF-Tu Polyclonal Antibody detects endogenous levels of EF-Tu protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Elongation factor Tu mitochondrial
<b>Gene Name</b>	TUFM
<b>Cellular localization</b>	Mitochondrion .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

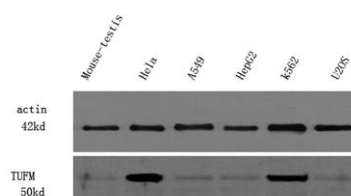
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	50kD
<b>Human Gene ID</b>	7284
<b>Human Swiss-Prot Number</b>	P49411
<b>Alternative Names</b>	TUFM; Elongation factor Tu; mitochondrial; EF-Tu; P43

### Background

This gene encodes a protein which participates in protein translation in mitochondria. Mutations in this gene have been associated with combined oxidative phosphorylation deficiency resulting in lactic acidosis and fatal encephalopathy. A pseudogene has been identified on chromosome 17. [provided by RefSeq, Jul 2008],



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



**Western Blot analysis of various cell lysis. Primary Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS23920) was diluted at 1:10000**