ELK Biotechnology

EF-G2 rabbit pAb

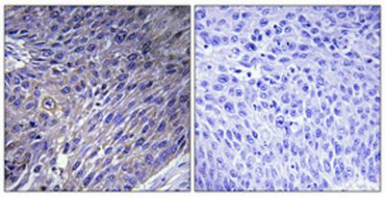
Cat No.:ES7752

For research use only

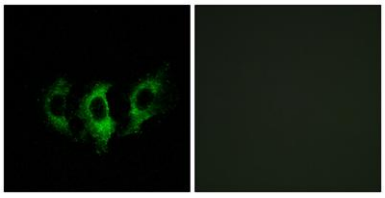
Overview

Product Name	EF-G2 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human GFM2. AA range:441-490
Specificity	EF-G2 Polyclonal Antibody detects endogenous levels of EF-G2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Ribosome-releasing factor 2 mitochondrial
Gene Name	GFM2
Cellular localization	Mitochondrion .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	87kD
Human Gene ID	84340
Human Swiss-Prot Number	Q969S9
Alternative Names	GFM2; EFG2; MSTP027; Ribosome-releasing factor 2; mitochondrial; RRF2mt; Elongation factor G 2, mitochondrial; EF-G2mt; mEF-G 2; Elongation factor G2; hEFG2
Background	Eukaryotes contain two protein translational systems, one in the cytoplasm and one in the

mitochondria. Mitochondrial translation is crucial for maintaining mitochondrial function and mutations in this system lead to a breakdown in the respiratory chain-oxidative phosphorylation system and to impaired maintenance of mitochondrial DNA. This gene encodes one of the mitochondrial translation elongation factors, which is a GTPase that plays a role at the termination of mitochondrial translation by mediating the disassembly of ribosomes from messenger RNA . Its role in the regulation of normal mitochondrial function and in disease states attributed to mitochondrial dysfunction is not known. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2013],



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbe



Immunofluorescence analysis of A549 cells, using GFM2 Antibody. The picture on the right is blocked with the synthesized peptide.

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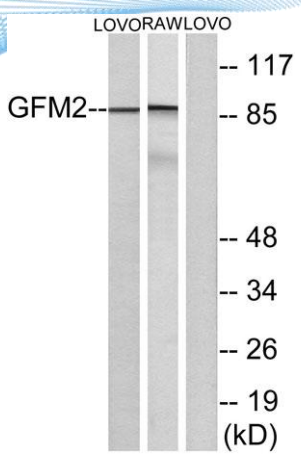

Western blot analysis of lysates from LOVO and RAW264.7 cells, using GFM2 Antibody. The lane on the right is blocked with the synthesized peptide.

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