

EF-Tu (L338) polyclonal antibody

Catalog: BCP00689

Host: Rabbit

Reactivity: Human

BackGround:

EF-Ts, also known as TSM (Ts translation elongation factor, mitochondrial) or COXPD3, is a 325 amino acid protein that is one of 13 mitochondrial-encoded proteins that work together during the elongation phase of protein biosynthesis on the ribosome. Expressed ubiquitously with highest levels present in liver, kidney and skeletal muscle, EF-Ts associates with EF-Tu, a multidomain GTPase with essential functions in translation, and, via this interaction, facilitates the exchange of GDP for GTP, thereby inducing protein elongation. Mutations in the gene encoding EF-Ts are the cause of combined oxidative phosphorylation deficiency type 3 (COXPD3), a condition characterized by defects in the mitochondrial oxidative phosphorylation system and often characterized by severe metabolic acidosis with encephalomyopathy or with hypertrophic cardiomyopathy. Multiple isoforms of EF-Ts exist due to alternative splicing events.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 43 kDa

Swiss-Prot:

P49411

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

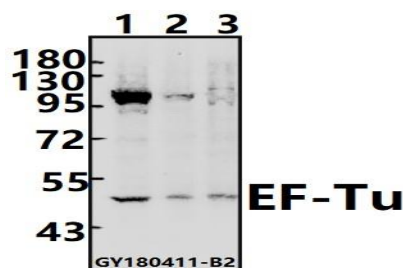
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

EF-Tu (L338) polyclonal antibody detects endogenous levels of EF-Tu protein.

DATA:



Western blot (WB) analysis of EF-Tu (L338) pAb at 1:500 dilution

Lane1:HCT116 whole cell lysate(40ug)

Lane2:A549 whole cell lysate(40ug)

Lane3:HEK293T whole cell lysate(40ug)

Immunohistochemistry (IHC) analyzes of EF-Tu (L338) pAb in paraffin-embedded human lung cancer tissue.

Note:

For research use only, not for use in diagnostic procedure.