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Datasheet for ABIN7153018
anti-FPGS antibody (AA 443-546)

1 Image

Overview

Quantity:	100 µg
Target:	FPGS
Binding Specificity:	AA 443-546
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FPGS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant Human Folylpolyglutamate synthase, mitochondrial protein (443-546AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	FPGS
Alternative Name:	FPGS (FPGS Products)
Background:	Background: Catalyzes conversion of folates to polyglutamate derivatives allowing concentration of folate compounds in the cell and the intracellular retention of these cofactors,

Target Details

which are important substrates for most of the folate-dependent enzymes that are involved in one-carbon transfer reactions involved in purine, pyrimidine and amino acid synthesis. Unsubstituted reduced folates are the preferred substrates. Metabolizes methotrexate (MTX) to polyglutamates.

Aliases: EC 6.3.2.17 antibody, FOLC antibody, FOLC_HUMAN antibody, Folylpoly gamma glutamate synthetase antibody, Folylpoly-gamma-glutamate synthetase antibody, Folylpolyglutamate synthase antibody, Folylpolyglutamate synthase mitochondrial antibody, FPGS antibody, mitochondrial antibody, OTTHUMP00000022201 antibody, OTTHUMP00000022202 antibody, Tetrahydrofolate synthase antibody, Tetrahydrofolylpolyglutamate synthase antibody

UniProt: [Q05932](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000,

Restrictions: For Research Use only

Handling

Format: Liquid

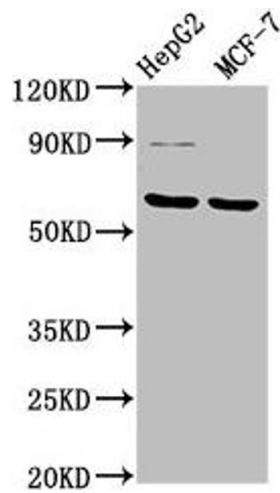
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western Blot Positive WB detected in: HepG2 whole cell lysate, MCF-7 whole cell lysate All lanes: FPGS antibody at 3.2 $\mu\text{g}/\text{mL}$ Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 65, 61, 60, 62 kDa Observed band size: 65 kDa