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Datasheet for ABIN6942721
anti-CTU2 antibody (AA 301-400) (HRP)

Overview

Quantity:	100 µL
Target:	CTU2
Binding Specificity:	AA 301-400
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CTU2 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CTU2/C16orf84
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Cow,Sheep,Horse
Purification:	Purified by Protein A.

Target Details

Target:	CTU2
Alternative Name:	CTU2 (CTU2 Products)

Target Details

Background: Synonyms: C16orf84, ctu2, CTU2_HUMAN, Cytoplasmic tRNA 2-thiolation protein 2, cytosolic thiouridylase subunit 2 homolog (S. pombe), NCS2, PF0432.

Background: CTU2 is a 515 amino acid cytoplasmic protein that plays a role in the 2-thiolation of mcm(5)S(2)U at wobble positions of tRNA. CTU2 forms a complex with CTU1 and Urm1, and may also form a separate heterodimer with CTU1 to ligate sulfur from thiocarboxylated Urm1 onto tRNA. Existing as three alternatively spliced isoforms, the gene encoding CTU2 maps to human chromosome 16q24.3. Chromosome 16 encodes over 900 genes and comprises nearly 3 % of the human genome. The GAN gene is located on chromosome 16 and, with mutation, may lead to giant axonal neuropathy, a nervous system disorder characterized by increasing malfunction with growth. The rare disorder Rubinstein-Taybi syndrome is also associated with chromosome 16, as is Crohn's disease, which is a gastrointestinal inflammatory condition.

Gene ID: 348180

UniProt: [Q2VPK5](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months