Datasheet for ABIN1713701

anti-APLF antibody (AA 421-511)

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Overview

Quantity:	100 µL
Target:	APLF
Binding Specificity:	AA 421-511
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APLF antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human APLF
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat
Purification:	Purified by Protein A.

Target Details

Target:	APLF
Alternative Name:	APLF (APLF Products)

Target Details

Background:	Synonyms: 2010301N04Rik, AI452191, Aplf, APLF_HUMAN, Aprataxin and pnk-like factor, Apurinic-apyrimidinic endonuclease APLF, C2orf13, PNK and APTX like FHA protein, PNK and APTX-like FHA domain-containing protein, RGD1565557, XIP1, XRCC1 interacting protein 1, XRCC1-interacting protein 1. Background: APLF is a 511 amino acid protein that contains one FHA doman and two C2H2type zinc fingers. Localized to both the nucleus and the cytoplasm, APLF interacts with XRCC1, XRCC4 and Ku-86 and, via these interactions, is involved in single-strand and double-strand DNA break repair. APLF is subject to post-translational phosphorylation in response to DNA breaks. The gene encoding APLF maps to human chromosome 2, which houses over 1,400 genes and comprises nearly 8 % of the human genome. Harlequin icthyosis, a rare and morbid skin deformity, is associated with mutations in the ABCA12 gene, while the lipid metabolic disorder sitosterolemia is associated with defects in the ABCG5 and ABCG8 genes. Additionally, an extremely rare recessive genetic disorder, is caused by mutations in the ALMS1 gene, which maps to chromosome 2.
Gene ID:	200558
Pathways:	DNA Damage Repair

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months