

Product Name: KD-Validated NUDT21 Mouse Monoclonal Antibody**Catalog #: KVA00042**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 26.2kDa

Antigen Information

Gene Name	NUDT21
Alternative Names	NUDT21; Nudix Hydrolase 21; CFIM25; Cleavage Factor Im Complex 25 KDa Subunit; CPSF5; Cleavage And Polyadenylation Specificity Factor 25 KDa Subunit; Cleavage And Polyadenylation Specific Factor 5, 25 KD Subunit; Nudix (Nucleoside Diphosphate Linked Moiety X)-Type Motif 21; Cleavage And Polyadenylation Specificity Factor Subunit 5; Cleavage And Polyadenylation Specific Factor 5, 25 KDa; Nucleoside Diphosphate-Linked Moiety X Motif 21; Pre-mRNA Cleavage Factor Im 68 KDa Subunit; CPSF 25 KDa Subunit; Nudix Motif 21; Pre-mRNA Cleavage Factor Im 25 KDa Subunit; Pre-mRNA Cleavage Factor Im, 25kD Subunit; Pre-mRNA Cleavage Factor Im (25kD); CPSF25; CFIm25
Gene ID	11051.0
SwissProt ID	O43809

Immunogen

Recombinant protein of human NUDT21

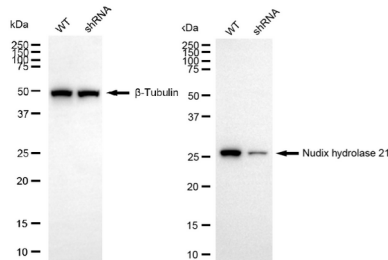
Background

The protein encoded by this gene is one subunit of a cleavage factor required for 3' RNA cleavage and polyadenylation processing. The interaction of the protein with the RNA is one of the earliest steps in the assembly of the 3' end processing complex and facilitates the recruitment of other processing factors. This gene encodes the 25kD subunit of the protein complex, which is composed of four polypeptides. [provided by RefSeq, Jul 2008]

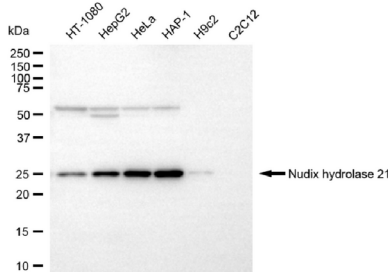
Research Area

Epigenetics and Nuclear Signaling

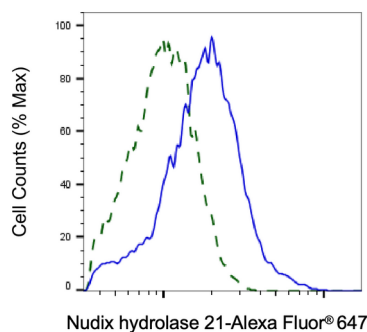
Image Data



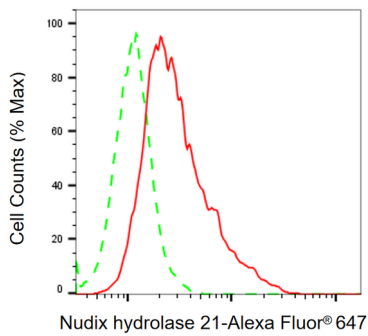
Western blotting analysis using nudix hydrolase 21 antibody (KVA00042). Nudix hydrolase 21 expression in wild-type (WT) and nudix hydrolase 21 (NUDT21) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with nudix hydrolase 21 antibody (KVA00042, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using nudix hydrolase 21 antibody (KVA00042). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with nudix hydrolase 21 antibody (KVA00042, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Validation of Nudix hydrolase 21 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Nudix hydrolase 21 antibody (KVA00042, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Nudix hydrolase 21 expression in HAP-1 cells using Nudix hydrolase 21 antibody (KVA00042, 1:2,000). Green, isotype control; red, Nudix hydrolase 21.