


Product datasheet

Anti-NUDT21/CFIM25 antibody ab183660

2 References 4 Images

Overview

Product name	Anti-NUDT21/CFIM25 antibody
Description	Rabbit polyclonal to NUDT21/CFIM25
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Cow, Pig 
Immunogen	Recombinant fragment within Human NUDT21/CFIM25 aa 1-227. The exact sequence is proprietary. Database link: O43809
Positive control	SK-N-SH , IMR32 and SK-N-AS whole cell lysate/extracts; mouse fore brain, mouse ovary and rat middle brain tissue.
General notes	This product was previously labelled as NUDT21

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.025% Proclin Constituents: PBS, 20% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab183660** in the following tested applications.

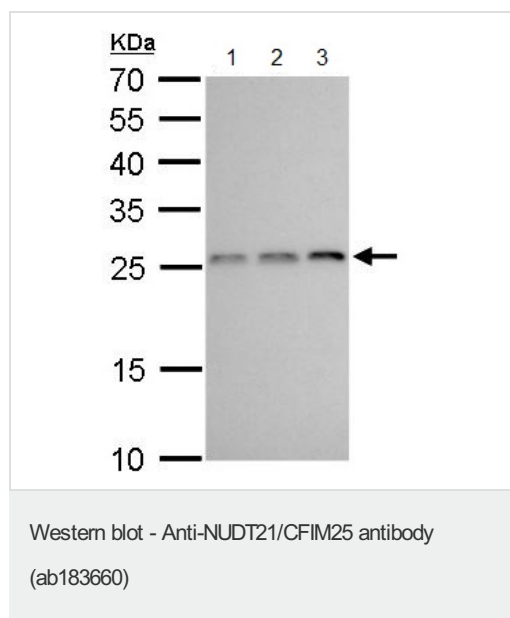
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/1000.
WB		1/500 - 1/3000. Predicted molecular weight: 26 kDa.

Target

Function	Component of the cleavage factor Im (CFIm) complex that plays a key role in pre-mRNA 3'-processing. Involved in association with CPSF6 or CPSF7 in pre-mRNA 3'-end poly(A) site cleavage and poly(A) addition. NUDT21/CPSF5 binds to cleavage and polyadenylation RNA substrates. The homodimer mediates simultaneous sequence-specific recognition of two 5'-UGUA-3' elements within the pre-mRNA. Binds to, but does not hydrolyze mono- and di-adenosine nucleotides. May have a role in mRNA export.
Sequence similarities	Belongs to the Nudix hydrolase family. CPSF5 subfamily. Contains 1 nudix hydrolase domain.
Post-translational modifications	Acetylated mainly by p300/CBP, recruited to the complex by CPSF6. Acetylation decreases interaction with PAPA0. Deacetylated by the class VIII HDACs, HDAC1, HDAC3 and HDAC10, and by the class III HDACs, SIRT1 AND SIRT2.
Cellular localization	Nucleus. In punctate subnuclear structures localized adjacent to nuclear speckles, called paraspeckles.

Images



All lanes : Anti-NUDT21/CFIM25 antibody (ab183660) at 1/1000 dilution

Lane 1 : SK-N-SH whole cell lysate/extract

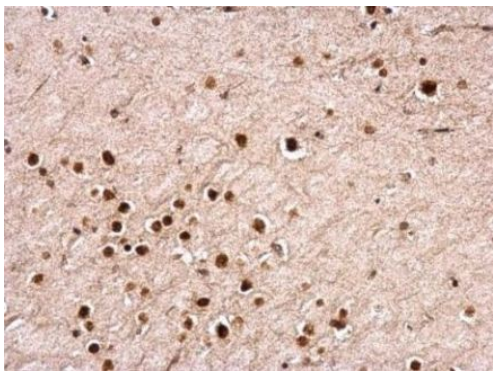
Lane 2 : IMR32 whole cell lysate/extract

Lane 3 : SK-N-AS whole cell lysate/extract

Lysates/proteins at 30 µg per lane.

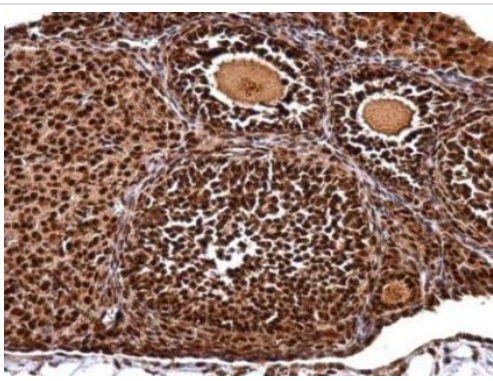
Predicted band size: 26 kDa

12 % SDS-PAGE



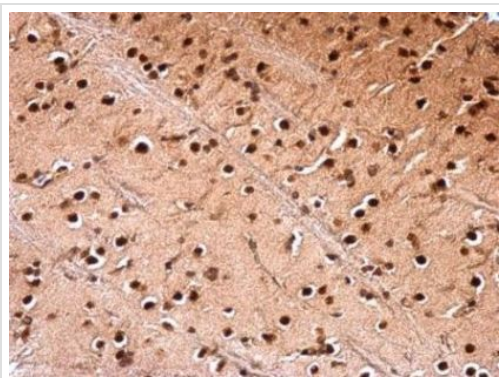
Immunohistochemical analysis of paraffin-embedded mouse fore brain tissue labeling NUDT21/CFIM25 with ab183660 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NUDT21/CFIM25 antibody (ab183660)



Immunohistochemical analysis of paraffin-embedded mouse ovary tissue labeling NUDT21/CFIM25 with ab183660 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NUDT21/CFIM25 antibody (ab183660)



Immunohistochemical analysis of paraffin-embedded rat middle brain tissue labeling NUDT21/CFIM25 with ab183660 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NUDT21/CFIM25 antibody (ab183660)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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