

Rabbit YTHDF1 Polyclonal Antibody | anti-YTHDF1 antibody

YTHDF1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324116	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

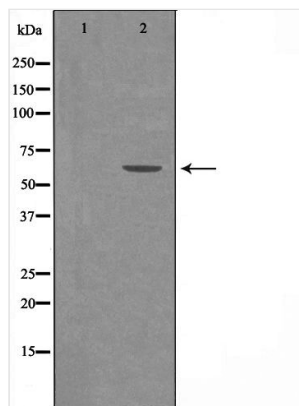
PRODUCT SYNONYMS

YTHDF1; Polyclonal Antibody; YTHDF1 Antibody; C20orf21; DACA 1; DACA-1; Dermatomyositis associated with cancer putative autoantigen 1; YTH domain family 1; YTH domain family member 1; YTH domain family protein 1; YTHD1; YTHD1_HUMAN; Ythdf1; anti-YTHDF1 antibody

PRODUCT SPECIFICATIONS

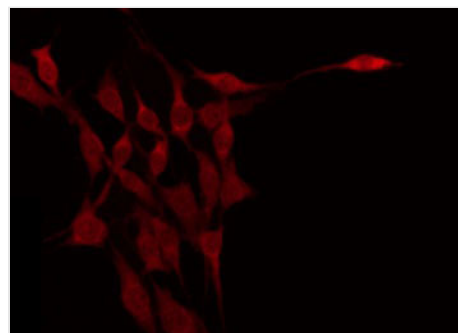
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	YTHDF1 antibody detects endogenous levels of total YTHDF1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	559
Applicable Applications for anti-YTHDF1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from 293 cells, using YTHDF1 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324116 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-YTHDF1 antibody	Function: Specifically recognizes and binds N6-methyladenosine (m6A)-containing mRNAs, and promotes mRNA translation efficiency (PubMed:24284625, PubMed:26046440, PubMed:26318451). M6A is a modification present at internal sites of mRNAs and some non-coding RNAs and plays a role in the efficiency of mRNA splicing, processing and stability (PubMed:24284625). Acts as a regulator of mRNA translation efficiency: promotes ribosome loading to m6A-containing mRNAs and interacts with translation initiation factors eIF3 (EIF3A or EIF3B) to facilitate translation initiation (PubMed:26046440). Subunit Structure: Interacts with ribosomes (PubMed:26046440). Interacts with eIF3 (EIF3A or EIF3B) (PubMed:26046440). Interacts with YTHDF3 (PubMed:28106072).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31377750
NCBI GeneID	54915
NCBI Accession #	NP_060268.2
NCBI GenBank Nucleotide #	NM_017798.3
UniProt Accession #	Q9BYJ9; Q8N3G5; Q8TBT1; Q96AN4; Q96S57; Q9BTI7; Q9NX79
Molecular Weight	Observed: 61 kD Predicted: 61 kDa
NCBI Official Full Name	YTH domain-containing family protein 1
NCBI Official Synonym Full Names	YTH N6-methyladenosine RNA binding protein 1
NCBI Official Symbol	YTHDF1
NCBI Official Synonym Symbols	C20orf21
NCBI Protein Information	YTH domain-containing family protein 1
UniProt Protein Name	YTH domain-containing family protein 1
UniProt Gene Name	YTHDF1
UniProt Synonym Gene Names	DACA-11 PublicationManual assertion based on opinion iniRef.4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.