

YTHDF1 Conjugated Antibody

Catalog No: #C46714

Package Size: #C46714-AF350 100ul #C46714-AF405 100ul #C46714-AF488 100ul #C46714-AF555 100ul #C46714-AF594 100ul #C46714-AF647 100ul #C46714-AF680 100ul #C46714-AF750 100ul #C46714-Biotin 100ul #C46714-Conjugated 50ul

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Description

Product Name	YTHDF1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total YTHDF1 protein.
Immunogen Description	Synthetic peptide corresponding to residues near the N terminal of human YTHDF1
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	C20orf21
Accession No.	Swiss-Prot#:Q9BYJ9 NCBI Gene ID:54915NCBI Protein#:NP_060268
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

IF:1:50-1:200

Background

YTHDF1, also designated Dermatomyositis associated with cancer putative autoantigen 1 (DACA-1), is a 559 amino acid protein that contains one YTH domain, which is a potential RNA binding domain. 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).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.