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Datasheet for ABIN7120904 **anti-YTHDF2 antibody**

Overview

Quantity:	100 µg
Target:	YTHDF2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	YTH domain family, member 2
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	YTHDF2
Alternative Name:	YTHDF2 (YTHDF2 Products)
Background:	Synonyms:CLL associated antigen KW 14, HGRG8, NY REN 2, YTH domain family protein 2, YTH domain family, member 2, YTHDF2 Background:Specifically recognizes and binds N6-methyladenosine(m6A)-containing RNAs, and regulates mRNA stability(PubMed:24284625, PubMed:26046440, PubMed:26318451). M6A is a modification present at internal sites of

Target Details

mRNAs and some non-coding RNAs and plays a role in the efficiency of mRNA splicing, processing and stability(PubMed:22575960, PubMed:24284625, PubMed:25412658, PubMed:25412661). Acts as a regulator of mRNA stability: binding to m6A-containing mRNAs results in the localization to mRNA decay sites, such as processing bodies(P-bodies), leading to mRNA degradation(PubMed:24284625, PubMed:26046440). Also acts as a promoter of cap-independent mRNA translation following heat shock stress: upon stress, relocalizes to the nucleus and specifically binds mRNAs with some m6A methylation mark at their 5'-UTR, protecting demethylation of mRNAs by FTO, thereby promoting cap-independent mRNA translation(PubMed:26458103).

Molecular Weight:	68 kDa
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Gene ID:	51441
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UniProt:	Q9Y5A9
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Application Details

Application Notes:	WB: 1:1000-1:10000, IF: 1:10-1:100, IP: 1:200-1:1000, IHC: 1:20-1:200
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	-20 °C
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Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
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Expiry Date:	12 months
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