abcam

Product datasheet

Anti-METTL3 antibody ab66660

2 References 2 Images

Overview

Product name	Anti-METTL3 antibody
Description	Rabbit polyclonal to METTL3
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P, ELISA
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat, Rabbit, Goat, Horse, Guinea pig, Cow, Cat, Dog, Zebrafish
Immunogen	Synthetic peptide corresponding to Human METTL3 aa 1-50 (N terminal). Sequence: MSDTWSSIQAHKKQLDSLRERLQRRRKQDSGHLDLRNPE AALSPTFRSDS Run BLAST with Run BLAST with
Positive control	IHC-P: Human intestinal tissue sections WB: Fetal thymus lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab66660 in the following tested applications.

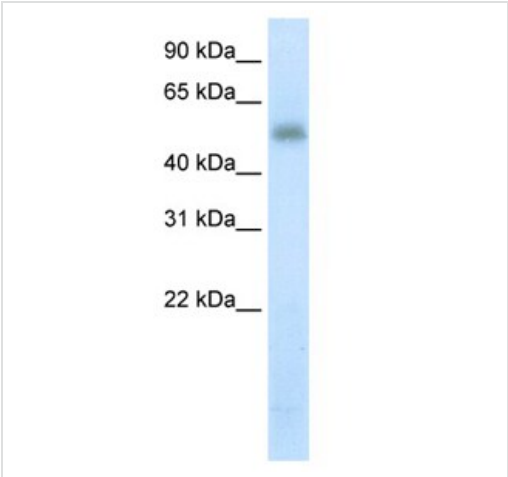
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 5 µg/ml. Detects a band of approximately 54 kDa (predicted molecular weight: 64 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.
IHC-P		Use a concentration of 4 - 8 µg/ml.
ELISA		Use at an assay dependent concentration. ELISA titre using peptide based assay 1:312500.

Target

Function	N6-methyltransferase that methylates adenosine residues of some mRNAs. N6-methyladenosine (m6A), which is present at internal sites of some mRNAs, may play a role in the efficiency of mRNA splicing, transport or translation.
Tissue specificity	Widely expressed at low level. Expressed in spleen, thymus, prostate, testis, ovary, small intestine, colon and peripheral blood leukocytes.
Sequence similarities	Belongs to the MT-A70-like family.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus speckle. Colocalizes with speckles in interphase nuclei. Suggesting that it may be associated with nuclear pre-mRNA splicing components.

Images



Western blot - Anti-METTL3 antibody (ab66660)

Anti-METTL3 antibody (ab66660) at 5 µg/ml + fetal thymus lysate at 10 µg

Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

Predicted band size: 64 kDa

Observed band size: 54 kDa

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-METTL3 antibody (ab66660)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human intestine tissue labelling METTL3 with ab66660 at 4-8µg/ml. Arrows indicate positively labelled epithelial cells of the intestinal villus. Magnification: 400X.

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