abcam

Product datasheet

Anti-YTHDF1 + YTHDF3 + YTHDF2 antibody [EPR26183-69] ab290734

Recombinant RabMAb

1 References 9 Images

Overview

Product name	Anti-YTHDF1 + YTHDF3 + YTHDF2 antibody [EPR26183-69]
Description	Rabbit monoclonal [EPR26183-69] to YTHDF1 + YTHDF3 + YTHDF2
Host species	Rabbit
Specificity	Please note that this antibody does not react with Rat species for ICC and Flow Cyt (intra) applications.
Tested applications	**Suitable for:** WB, IP, Flow Cyt (Intra), ICC/IF **Unsuitable for:** IHC-P
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HeLa (human cervix adenocarcinoma epithelial cell) and 293T (human embryonic kidney epithelial cell) whole cell lysates. NIH/3T3 (mouse embryonic fibroblast) whole cell lysate. PC-12 (rat adrenal gland pheochromocytoma) whole cell lysate. ICC/IF: HeLa cells, NIH/3T3 cells. Flow Cyt (intra): HeLa cells, NIH/3T3 cells. IP: HeLa and NIH/3T3 whole cell lysate
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

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: 7.20 Preservative: 0.01% Sodium azide

	Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR26183-69
Isotype	IgG

Applications

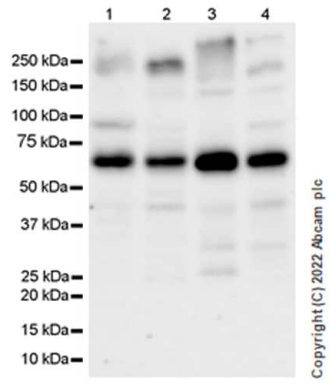
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab290734 in the following tested applications.

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

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 61 kDa (predicted molecular weight: 61 kDa).
IP		1/30.
Flow Cyt (Intra)		1/500.
ICC/IF		1/50.

Application notes Is unsuitable for IHC-P.

Images



Western blot - Anti-YTHDF1 + YTHDF3 + YTHDF2 antibody [EPR26183-69] (ab290734)

All lanes : Anti-YTHDF1 + YTHDF3 + YTHDF2 antibody [EPR26183-69] (ab290734) at 1/1000 dilution

Lane 1 : HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate.
Lane 2 : 293T (human embryonic kidney epithelial cell) whole cell lysate.
Lane 3 : NIH/3T3 (mouse embryonic fibroblast) whole cell lysate.
Lane 4 : PC-12 (rat adrenal gland pheochromocytoma) whole cell lysate.

Lysates/proteins at 20 µg per lane.

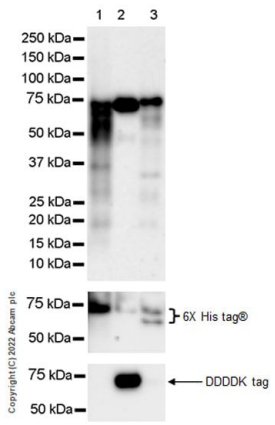
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 61 kDa
Observed band size: 61 kDa

Exposure time: 70 seconds

Blocking / Diluent buffer and concentration:5% NFDM/TBST.

Lysates should be made freshly and used in WB immediately to minimize protein degradation.



Western blot - Anti-YTHDF1 + YTHDF3 + YTHDF2 antibody [EPR26183-69] (ab290734)

All lanes : Anti-YTHDF1 + YTHDF3 + YTHDF2 antibody [EPR26183-69] (ab290734) at 1/1000 dilution

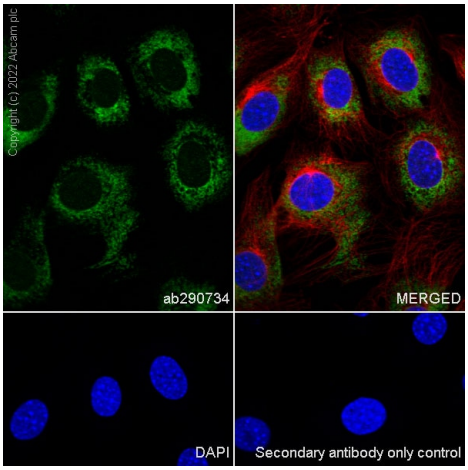
Lane 1 : His-tagged human YTHDF1 recombinant protein 10ng
Lane 2 : His-tagged human YTHDF2 recombinant protein 10ng
Lane 3 : His-tagged human YTHDF3 recombinant protein 10ng

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000 dilution

Predicted band size: 61 kDa
Observed band size: 61 kDa

Exposure time: 70 seconds

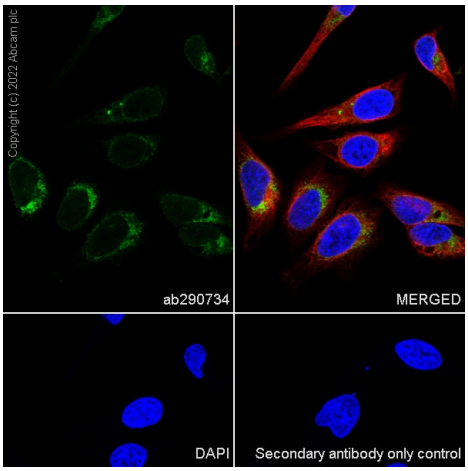
Blocking / Diluting buffer and concentration: 5% NFDM/TBST



Immunocytochemistry/ Immunofluorescence - Anti-YTHDF1 + YTHDF3 + YTHDF2 antibody [EPR26183-69] (ab290734)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeilized NIH/3T3 (mouse embryonic fibroblast) cells lebelling YTHDF1 + YTHDF2 + YTHDF3 with ab290734 at 1/50 (10.04 ug/ml) dilution, followed by **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 (2ug/mL) dilution (Green). Confocal image showing cytoplasmic staining in NIH/3T3 cell line is observed. **ab195889** Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 (2.5ug/ml) dilution (Red). The Nuclear counterstain was DAPI (Blue).

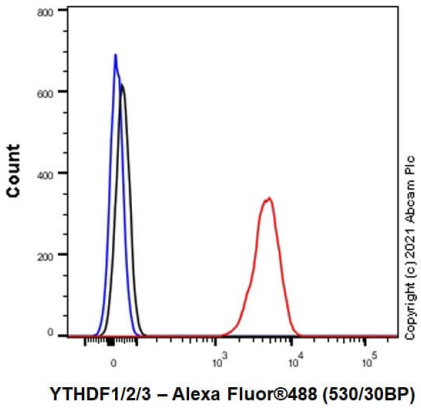
Secondary antibody only control: Secondary antibody is **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2ug/mL) dilution.



Immunocytochemistry/ Immunofluorescence - Anti-YTHDF1 + YTHDF3 + YTHDF2 antibody [EPR26183-69] (ab290734)

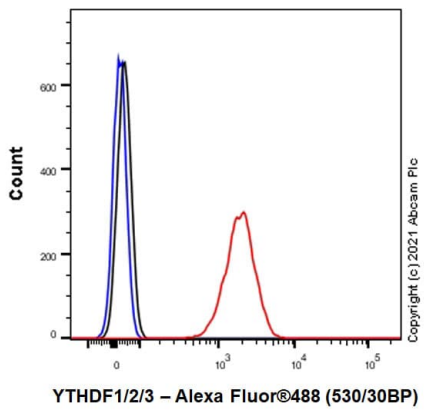
Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeilized HeLa (human cervix adenocarcinoma epithelial cell) cells lebelling YTHDF1 + YTHDF2 + YTHDF3 with ab290734 at 1/50 (10.04 ug/ml) dilution, followed by **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 (2ug/mL) dilution (Green). Confocal image showing mostly cytoplasmic staining in Hela cell line is observed. **ab195889** Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 (2.5ug/ml) dilution (Red). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2ug/mL) dilution.



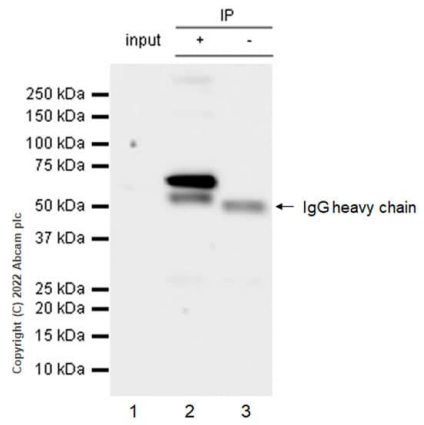
Flow Cytometry (Intracellular) - Anti-YTHDF1 + YTHDF3 + YTHDF2 antibody [EPR26183-69] (ab290734)

Intracellular flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized NIH/3T3 (Mouse embryonic fibroblast) cells labelling YTHDF1 + YTHDF2 + YTHDF3 with ab290734 at 1/500 dilution (0.1ug) (Red) compared with a Rabbit monoclonal IgG (**ab172730**) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat Anti-Rabbit IgG (Alexa Fluor® 488, **ab150081**) at 1/2000 dilution was used as the secondary antibody.



Flow Cytometry (Intracellular) - Anti-YTHDF1 + YTHDF3 + YTHDF2 antibody [EPR26183-69] (ab290734)

Intracellular flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized HeLa (Human cervix adenocarcinoma epithelial cell) cells labelling YTHDF1 + YTHDF2 + YTHDF3 with ab290734 at 1/500 dilution (0.1ug) (Red) compared with a Rabbit monoclonal IgG (**ab172730**) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat Anti-Rabbit IgG (Alexa Fluor® 488, **ab150081**) at 1/2000 dilution was used as the secondary antibody.



Immunoprecipitation - Anti-YTHDF1 + YTHDF3 + YTHDF2 antibody [EPR26183-69] (ab290734)

YTHDF1 + YTHDF2 + YTHDF3 was immunoprecipitated from 0.35 mg NIH/3T3 (mouse embryonic fibroblast) whole cell lysate 10 ug with ab290734 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab290734 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP) (**ab131366**) was used at 1/5000 dilution.

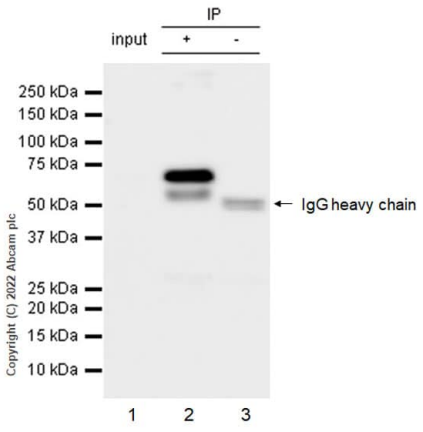
Lane 1: NIH/3T3 (mouse embryonic fibroblast) whole cell lysate 10 ug

Lane 2: ab290734 IP in NIH/3T3 whole cell lysate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab290734 in NIH/3T3 whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 15 seconds



Immunoprecipitation - Anti-YTHDF1 + YTHDF3 + YTHDF2 antibody [EPR26183-69] (ab290734)

YTHDF1 + YTHDF2 + YTHDF3 was immunoprecipitated from 0.35 mg HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate 10 ug ab290734 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using anti YTHDF1 + YTHDF2 + YTHDF3 antibody (ab290734) at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP)(**ab131366**) was used at 1/5000 dilution.

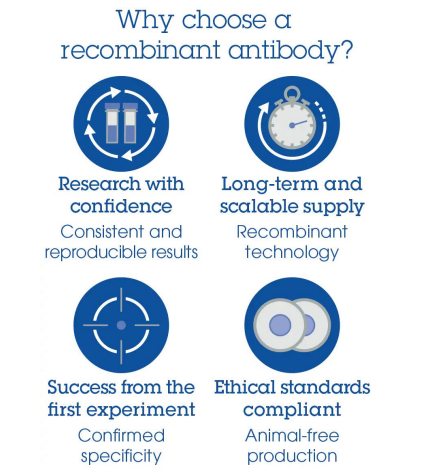
Lane 1: HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate 10 µg

Lane 2: anti YTHDF1 + YTHDF2 + YTHDF3 antibody (ab290734) IP in HeLa whole cell lysate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab290734 in HeLa whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 15 seconds



Anti-YTHDF1 antibody [EPR26183-69] (ab290734)

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