

Datasheet for ABIN1882076
anti-EIF3H antibody (C-Term)



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3 Images

1 Publication

Overview

Quantity:	400 µL
Target:	EIF3H
Binding Specificity:	AA 234-263, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF3H antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This EIF3H antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 234-263 amino acids from the C-terminal region of human EIF3H.
Clone:	RB20154
Isotype:	Ig Fraction
Predicted Reactivity:	B, C, X
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	EIF3H
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Target Details

Alternative Name:	EIF3H (EIF3H Products)
Background:	EIF3H is a component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNAi and eIF-5 to form the 43S preinitiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of posttermination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.
Molecular Weight:	39930
NCBI Accession:	NP_003747
UniProt:	O15372
Pathways:	Ribonucleoprotein Complex Subunit Organization

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

Handling

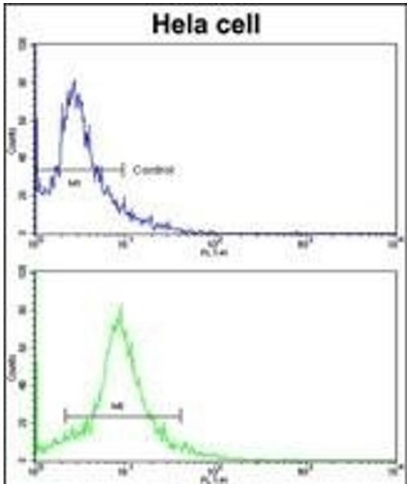
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Expiry Date:	6 months

Publications

Product cited in:	Cappuzzo, Varella-Garcia, Rossi, Gajapathy, Valente, Drabkin, Gemmill: "MYC and EIF3H Coamplification significantly improve response and survival of non-small cell lung cancer patients (NSCLC) treated with gefitinib." in: Journal of thoracic oncology : official publication
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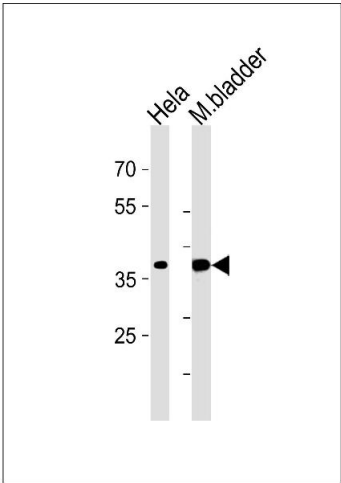
of the International Association for the Study of Lung Cancer, Vol. 4, Issue 4, pp. 472-8, (2009)
(PubMed).

Images



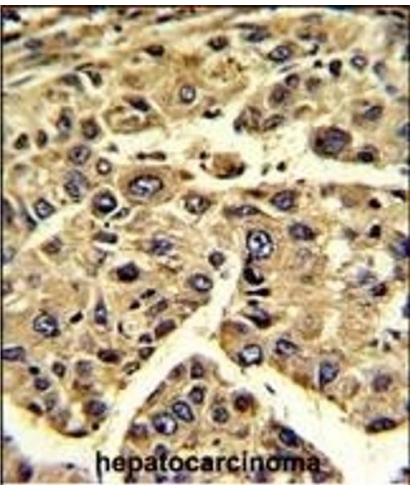
Flow Cytometry

Image 1. Flow cytometric analysis of hela cells using EIF3H Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. EIF3H Antibody (N-term) (ABIN1882076 and ABIN2840901) western blot analysis in HeLa cell line and mouse bladder tissue lysates (35 µg/lane).This demonstrates the EIF3H antibody detected the EIF3H protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with EIF3H Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.