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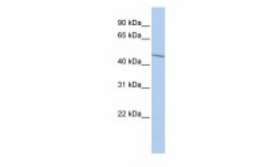
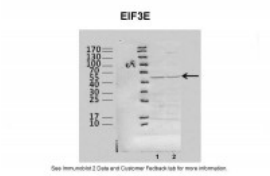
EIF3E Antibody

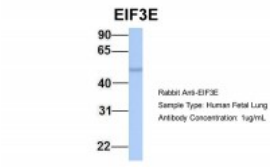
CATALOG NUMBER: 26-291



Antibody used in WB on Human HepG2 at 0.2-1 ug/ml.



Antibody used in WB on Human, Mouse at 1:1000.



Antibody used in WB on Hum. Fetal Lung at 1 ug/ml.

Specifications

SPECIES REACTIVITY:	Human, Mouse, Rat
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	EIF3E antibody can be used for detection of EIF3E by ELISA at 1:62500. EIF3E antibody can be used for detection of EIF3E by western blot at 1 ug/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) Cat. No. 1211 - HepG2 Cell Lysate
PREDICTED MOLECULAR WEIGHT:	52 kDa
IMMUNOGEN:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human EIF3E.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Antibody is purified by peptide affinity chromatography method.
PHYSICAL STATE:	Lyophilized
BUFFER:	Antibody is lyophilized in PBS buffer with 2% sucrose. Add 50 uL of distilled water. Final antibody concentration is 1 mg/mL.
CONCENTRATION:	1 mg/ml
STORAGE CONDITIONS:	For short periods of storage (days) store at 4˚C. For longer periods of storage, store EIF3E antibody at -20˚C. As with any antibody avoid repeat freeze-thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	EIF3E, EIF3-P48, EIF3S6, INT6, eIF3-p46
ACCESSION NO.:	NP_001559
PROTEIN GI NO.:	4503521

OFFICIAL SYMBOL:	EIF3E
GENE ID:	3646

Background

BACKGROUND:	EIF3E belongs to the eIF-3 subunit E family.It 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. EIF3E is required for nonsense-mediated mRNA decay (NMD); It may act in conjunction with UPF2 to divert mRNAs from translation to the NMD pathway. The protein may interact with MCM7 and EPAS1 and regulate the proteasome-mediated degradation of these proteins.
REFERENCES:	1) Buchsbaum, S., (2007) Oncogene 26 (35), 5132-5144.

FOR RESEARCH USE ONLY

December 12, 2016