

Product datasheet for **TA336587**

EIF5A2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500-1:1000, ELISA: 1:100-1:2000, IHC: 1:10-1:500, IHC-F: 1:10-1:500, IHC-P: 1:10-1:500, IP: 1:10-1:500
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A synthetic peptide representing the C-terminus of the Human EIF5 A2 protein.
Formulation:	PBS, 0.02% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	eukaryotic translation initiation factor 5A2
Database Link:	NP_065123 Entrez Gene 56648 Human Q9GZV4



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Background:

Eukaryotic translation initiation factor 5A2 (eIF5A-2), a recently discovered oncogene member of the eIF5A family, is an mRNA-binding protein implicated in the translation elongation process and it exerts a critical role at the level of mRNA turnover, probably acting downstream of decapping. eIF5A-2 involves in actin dynamics, progression of cell cycle, mRNA decay, stress response signaling as well as in the preservation of cellular wall's integrity. eIF5A-2 mediates the effects of polyamines on neuronal process extension/survival, and has been suggested to play a role in CNS development/functions as well as differentiation of skeletal muscle stem cells. eIF5A-2 has been reported to localize in nucleus, cytoplasm and ER membranes of cells, and hypusine modification, a posttranslational modification of at least one lysine residue to form hypusine [N-epsilon-(4-aminobutyl)lysine], as well as apoptosis impacts eIF5A-2 localization in various cellular compartments. eIF5A-2 exhibits weak expression levels in lungs, testis and brain cells, however, its elevated expression has been shown to be associated with the presence of cancer metastases in colon, ovarian, lung and bladder cancers. In vitro and in vivo studies have revealed that overexpression of eIF5A-2 could significantly enhance the malignant tumor cell motility/invasiveness, whereas, its intracellular depletion leads to inhibition of cell growth as well as induction of apoptosis.

Synonyms:

EIF-5A2; eIF5AII

Note:

Western Blotting

Product images:**Transfected eIF5A2****Endogenous eIF5A2**

Western Blot: eIF5A2 Antibody TA336587 -
Detection of endogenous and FLAG-tagged
eIF5A1 in HeLa cells using NB 200-133 at a 1:1000
dilution