

## Product datasheet for **AP32849PU-N**

### **MEX3C (541-554) Goat Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>Peptide ELISA:</b> 1/32000 (Detection Limit). <b>Western blot:</b> 0.2-0.5 µg/ml. Approx 60+36kDa bands observed in Mouse Testis lysates, and these bands reduced after knock-down by gene trap (calculated MW of 69.4kDa according to NP_057710.3). <b>Immunohistochemistry on Paraffin Sections:</b> 5 µg/ml (Human Kidney).
Reactivity:	Bovine, Canine, Human, Mouse, Porcine, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-TPRLSPTFPESIEH, from the internal region of the protein sequence according to Human MEX3C (NP_057710.3).
Specificity:	Recognizes Human MEX3C (aa541-554).
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	mex-3 RNA binding family member C
Database Link:	<a href="#">Entrez Gene 51320 Human Q5U5Q3</a>



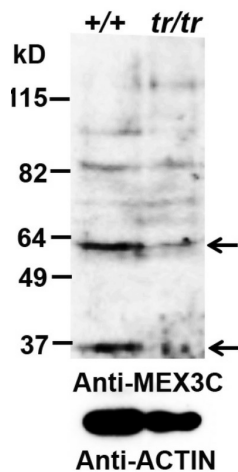
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**Background:**

Rkhd2, also known as MEX3C is a member of a novel family of four homologous human MEX3 proteins each containing two heterogeneous nuclear ribonucleoprotein K homology (KH) domains and one carboxy-terminal RING finger module. MEX3 proteins, including Rkhd2, are phosphoproteins that bind RNA through their KH domains and shuttle between the nucleus and the cytoplasm via the CRM1 export pathway. These proteins are a novel family of evolutionarily conserved RNA-binding proteins, differentially recruited to P bodies and potentially involved in post-transcriptional regulatory mechanisms. It has been suggested that genetic variations in Rkhd2 may be associated with susceptibility to essential hypertension type 8. Rkhd3 and Rkhd4, but not Rkhd2, co-localize with both the hDcp1a decapping factor and Argonaute (Ago) proteins in processing bodies (P bodies), recently characterized as centers of mRNA turnover.

**Synonyms:**

RING finger protein 194, RNF194

**Product images:**


(0.2 ug/ml) staining of Mouse Testis (+/+ is wt, trp/trp is knock-down) lysate (35ug protein in RIPA buffer). Data obtained by Dr. B. Lu, Wake Forest Baptist Medical Center, Winston-Salem, NC, USA. Primary incubation was 1 hour. Detected by chemiluminescence.