Mex3d (T-15): sc-240675



The Power to Question

BACKGROUND

Mex-3 (muscle excess protein-3) is a translational regulator in *Caenorhabditis elegans* that participates in maintaining the germline totipotency and in specification of posterior blastomeres in early embryos. In humans, four evolutionarily conserved Mex-3 homologs exist, namely Mex3a, Mex3b, Mex3c and Mex3d. These proteins comprise a family of RNA binding phosphoproteins which each contain two tandemly repeated KH (nuclear ribonucleoprotein K homology) domains and one C-terminal RING finger motif. In addition, the Mex-3 homolog family of proteins shuttle between the nucleus and the cytoplasm through the CRM1-dependent export pathway and may play a role regulating posttranscriptional events. Mex3d (Mex-3 homolog d), also known as MEX3, TINO, RKHD1 (RING finger and KH domain-containing protein 1) or RNF193 (RING finger protein 193), is a ubiquitously expressed protein. Due to alternative splicing events truncating the N-terminus, a variant form of Mex3d exists, which is known as TINO.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: MEX3D (human) mapping to 19p13.3; Mex3d (mouse) mapping to 10 C1.

SOURCE

Mex3d (T-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Mex3d of human origin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PRODUCT

Each vial contains 200 μg IgG in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-240675 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-240675 X, 200 μ g/0.1 ml.

APPLICATIONS

Mex3d (T-15) is recommended for detection of Mex3d of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other Mex3 family members.

Mex3d (T-15) is also recommended for detection of Mex3d in additional species, including canine, bovine and porcine.

Suitable for use as control antibody for Mex3d siRNA (h): sc-97604, Mex3d siRNA (m): sc-149398, Mex3d shRNA Plasmid (h): sc-97604-SH, Mex3d shRNA Plasmid (m): sc-149398-SH, Mex3d shRNA (h) Lentiviral Particles: sc-97604-V and Mex3d shRNA (m) Lentiviral Particles: sc-149398-V.

Mex3d (T-15) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of Mex3d: 65 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

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