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MTUS2 Rabbit pAb

Catalog # AP98346

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q5JR59
Other Accession	Q5JR59
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	150195
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MTUS2
Epitope Specificity	1261-1369/1369
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	In the C-terminal section; belongs to the MTUS1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Comprising nearly 4% of human DNA, chromosome 13 contains around 114 million base pairs and 400 genes. Key tumor suppressor genes on chromosome 13 include the breast cancer susceptibility gene, BRCA2, and the RB1 (retinoblastoma) gene. RB1 encodes a crucial tumor suppressor protein which, when defective, leads to malignant growth in the retina and has been implicated in a variety of other cancers. The gene SLITRK1, which is associated with Tourette syndrome, is on chromosome 13. As with most chromosomes, polysomy of part or all of chromosome 13 is deleterious to development and decreases the odds of survival. Trisomy 13, also known as Patau syndrome, is quite deadly and the few who survive past one year suffer from permanent neurologic defects, difficulty eating and vulnerability to serious respiratory infections. The KIAA0774 gene product has been provisionally designated KIAA0774 pending further characterization

Additional Information

Gene ID	23281
Other Names	CAZIP; ICIS; KIAA0774; TIP150; 5730592G18Rik; A730013O20Rik; C130038G02Rik; Gm763; mKIAA0774; MTUS2_HUMAN; MTUS2; Cardiac zipper protein; Microtubule plus-end tracking protein TIP150 (Tracking protein of 150 kDa); MTUS2_MOUSE; microtubule associated scaffold protein 2; microtubule associated tumor suppressor candidate 2; +TIP of 150 kDa
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MTUS2
Synonyms	CAZIP, KIAA0774, TIP150
Function	Binds microtubules. Together with MAPRE1 may target the microtubule depolymerase KIF2C to the plus-end of microtubules. May regulate the dynamics of microtubules at their growing distal tip.
Cellular Location	Cytoplasm, cytoskeleton. Note=Associated with the microtubule network at the growing distal tip (the plus-end) of microtubules
Tissue Location	Detected in embryonic stem cells differentiating to cardiomyocytes.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.