10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

E130311K13Rik antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI12872

Product Information

Application	WB
Primary Accession	Q8BN57
Other Accession	XM_002725647, XP_002725693
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33668

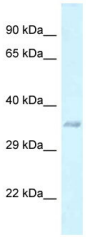
Additional Information

Other Names	Protein C3orf33 homolog, CC033
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-E130311K13Rik antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	E130311K13Rik antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Miso1 {ECO:0000250|UniProtKB:Q6P1S2}
Function	Regulates mitochondrial morphology and mitochondrial DNA (mtDNA) homeostasis (PubMed:41398051). Promotes the formation of specialized mitochondrial subdomains called small MTFP1-enriched mitochondria (SMEM) (By similarity). Negatively regulates mitochondrial fusion by excluding fusion coordinator OPA1 from SMEM (By similarity). Recruits mtDNA, potentially through interaction with SSBP1, and facilitates mtDNA transport to the mitochondrial periphery (By similarity). Also recruits other proteins, including PHB1, PHB2 and MTFP1, into SMEM which promotes peripheral mitochondrial fission, facilitating lysosome-mediated clearance of damaged mtDNA via mitophagy (By similarity).
Cellular Location	Mitochondrion inner membrane; Single-pass membrane protein. Note=Assembles into discrete subdomains known as small MTFP1-enriched mitochondria (SMEM).

Images



WB Suggested Anti-E130311K13Rik Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Heart

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