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C20orf19 Rabbit pAb

Catalog # AP97839

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q2M2Z5
Other Accession	Q2M2Z5
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75111
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KIZUNA/C20orf19
Epitope Specificity	1-100/673
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the kizuna family.
SUBUNIT	Interacts with AKAP9, CEP72, ODF2, PCNT and TUBGCP2.
Post-translational modifications	Phosphorylation at Thr-379 by PLK1 is not needed forcentrosomal localization or pericentriolar material expansion butis indispensable for spindle-pole stabilization.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Representing about 2% of human DNA, chromosome 20 consists of approximately 63 million bases and 600 genes. Chromosome 20 contains a region with numerous genes expressed in the epididymis, which are thought important for seminal production, and some viewed as potential targets for male contraception. The PRNP gene encoding the prion protein associated with spongiform encephalopathies, like Creutzfeldt-Jakob disease, is found on chromosome 20. Amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome are also associated with chromosome 20. The C20orf19 gene product has been provisionally designated C20orf19 pending further characterization.

Additional Information

Gene ID	55857
Other Names	C20orf19; HT013; Kizuna; NCRNA00153; PLK1S1; RP69; KIZ_HUMAN; KIZ; Polo-like kinase 1 substrate 1; kizuna centrosomal protein; non-protein coding RNA 153; chromosome 20 open reading frame 19
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

Storage	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	KIZ
Synonyms	C20orf19, NCRNA00153, PLK1S1
Function	Centrosomal protein required for establishing a robust mitotic centrosome architecture that can endure the forces that converge on the centrosomes during spindle formation. Required for stabilizing the expanded pericentriolar material around the centriole.
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, cilium basal body Note=Localizes to centrosomes throughout the cell cycle. After centrosome duplication, it usually remains associated only with the mother centrosome, containing the older mature centriole and particles surrounding it. During prophase, additional particles accumulate around both separating centrosomes. Does not accumulate at the microtubule minus ends, but instead localizes to the centrosomes and centrosome- surrounding area in a microtubule-independent and dependent manner, respectively.

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