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FAM212B Rabbit pAb

Catalog # AP96429

Product Information

Application	WB
Primary Accession	Q9NTI7
Other Accession	Q9NTI7
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32759
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FAM212B
Epitope Specificity	201-297/297
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 FAM212 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Chromosome 1 is the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1. Notably, the rare aging disease Hutchinson-Gilford progeria is associated with the LMNA gene which encodes lamin A. When defective, the LMNA gene product can build up in the nucleus and cause characteristic nuclear blebs. The mechanism of rapidly enhanced aging is unclear and is a topic of continuing exploration. The MUTYH gene is located on chromosome 1 and is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome are also associated with chromosome 1. A breakpoint has been identified in 1q which disrupts the DISC1 gene and is linked to schizophrenia. Aberrations in chromosome 1 are found in a variety of cancers including head and neck cancer, malignant melanoma and multiple myeloma. The C1orf183 gene product has been provisionally designated C1orf183 pending further characterization. There are two isoforms of C1orf183 that are produced as a result of alternative splicing events.

Additional Information

Gene ID	55924
Other Names	C1orf183; FAM212B; INKA2_HUMAN; INKA2; Induced in neural crest by AP2-alpha protein-related homolog (Inca-r); Inka-box actin regulator 2; inka box actin regulator 2; chromosome 1 open reading frame 183; family with sequence similarity 212, member B; family with sequence similarity 212

	member B
Dilution	WB=1:500-2000
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	INKA2 (HGNC:28045)
Function	Inhibitor of the serine/threonine-protein kinase PAK4. Acts by binding PAK4 in a substrate-like manner, inhibiting the protein kinase activity.
Cellular Location	Nucleus.

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