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DNAJC2 Rabbit pAb

Catalog # AP97883

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q99543
Other Accession	Q99543
Reactivity	Rat, Human
Predicted	Mouse, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71996
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DNAJC2
Epitope Specificity	521-621/621
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 J domain. Contains 2 SANT domains.
Post-translational modifications	Phosphorylated in M (mitotic) phase.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene is a member of the M-phase phosphoprotein (MPP) family. The gene encodes a phosphoprotein with a J domain and a Myb DNA-binding domain which localizes to both the nucleus and the cytosol. The protein is capable of forming a heterodimeric complex that associates with ribosomes, acting as a molecular chaperone for nascent polypeptide chains as they exit the ribosome. This protein was identified as a leukemia-associated antigen and expression of the gene is upregulated in leukemic blasts. Also, chromosomal aberrations involving this gene are associated with primary head and neck squamous cell tumors. This gene has a pseudogene on chromosome 6. Alternatively spliced variants which encode different protein isoforms have been described. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	27000
Other Names	MPHOSPH11; MPP11; ZRF1; ZUO1; MIDA1; Zrf2; DNJC2_BOVIN; DNAJC2; Zuotin-related factor 1; DNJC2_HUMAN; M-phase phosphoprotein 11; DNJC2_MOUSE; Mouse Id associate 1 (MIDA1); DNJC2_RAT; Gliosarcoma-related antigen MIDA1; DnaJ heat shock protein family (Hsp40) member C2; zuotin related factor 1; DnaJ (Hsp40) homolog, subfamily C, member 2

Dilution	WB=1:500-2000,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	DNAJC2
Synonyms	MPHOSPH11, MPP11, ZRF1
Function	Acts both as a chaperone in the cytosol and as a chromatin regulator in the nucleus. When cytosolic, acts as a molecular chaperone: component of the ribosome-associated complex (RAC), a complex involved in folding or maintaining nascent polypeptides in a folding-competent state. In the RAC complex, stimulates the ATPase activity of the ribosome-associated pool of Hsp70-type chaperones HSPA14 that bind to the nascent polypeptide chain. When nuclear, mediates the switching from polycomb-repressed genes to an active state: specifically recruited at histone H2A ubiquitinated at 'Lys-119' (H2AK119ub), and promotes the displacement of the polycomb PRC1 complex from chromatin, thereby facilitating transcription activation.
Cellular Location	Nucleus. Cytoplasm, cytosol
Tissue Location	Widely expressed..

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