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NXT1 Mouse mAb

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Catalog # AP94844

Product Information

Application	WB
Primary Accession	Q9UKK6
Predicted	Rat, Human, Mouse
Host	Mouse
Clonality	Monoclonal
Calculated MW	15847
Physical State	Liquid
Immunogen	Recombinant human NXT1 protein
Isotype	IgG2a
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus. Cytoplasm. Shuttles between the nucleus and the cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is located in the nuclear envelope. It has protein similarity to nuclear transport factor 2. This protein functions as a nuclear export factor in both RAN (Ras-related nuclear protein)- and CRM1 (required for chromosome region maintenance)-dependent pathways. It is found to stimulate the export of U1 snRNA in RAN- and CRM1-dependent pathways and the export of tRNA and mRNA in a CRM1-independent pathway. The encoded protein heterodimerizes with Tap protein and may regulate the ability of Tap protein to mediate nuclear mRNA export. The use of alternate polyadenylation sites has been found for this gene. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	29107
Other Names	NTF2-related export protein 1, Protein p15, NXT1
Dilution	WB=1:5000-20000,ICC/IF=1:100-400
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	NXT1
Function	Stimulator of protein export for NES-containing proteins (PubMed:10567585). Also plays a role in the nuclear export of U1 snRNA, tRNA, and mRNA (PubMed:10848583). The NXF1-NXT1 heterodimer is involved in the export of HSP70 mRNA in conjunction with ALYREF/THOC4 and THOC5 (PubMed:11259602, PubMed:19165146).
Cellular Location	Nucleus. Nucleus speckle. Cytoplasm. Note=Shuttles between the nucleus and the cytoplasm

Background

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