

NUDCD1 Rabbit pAb

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Catalog # AP57552

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q96RS6
Reactivity	Mouse
Predicted	Rat, Human, Rabbit, Zebrafish, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66756
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NUDCD1
Epitope Specificity	431-530/583
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The NUDCD1 gene encodes the 583 amino acid CML66 protein which demonstrates expression in a variety of solid tumor cell lines and leukemias. Expression of CML66 in normal tissues is restricted to testis and heart. The CML66 antibody is found in sera of 18-38% of patients with lung cancer, melanoma or prostate cancer. These findings indicate that CML66 may be immunogenic in a wide variety of malignancies and may be a target for antigen-specific immunotherapy. A short isoform of CML66, designated CML66-S, is a product of alternative splicing. CML66-S has the same C-terminus as full-length CML66 (also designated CML66-L), but has a unique N-terminus. CML66-S shows predominant expression in testis, and is also expressed in very low levels in tumor cells, while CML66 is expressed in tumor cells and testis.

Additional Information

Gene ID	84955
Other Names	NudC domain-containing protein 1, Chronic myelogenous leukemia tumor antigen 66, Tumor antigen CML66, NUDCD1 (HGNC:24306)
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.

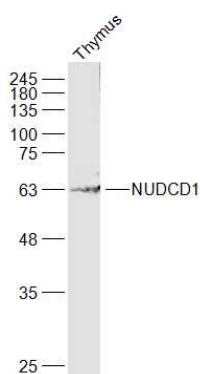
Protein Information

Name	NUDCD1 (HGNC:24306)
Cellular Location	[Isoform 1]: Cytoplasm. Nucleus. [Isoform 3]: Cytoplasm. Nucleus.
Tissue Location	Isoform 1 is specifically expressed in leukemias and a variety of solid tumor cell lines and is also detected in testis and heart. Isoform 2 is predominantly expressed in testis and weakly expressed in tumor cells.

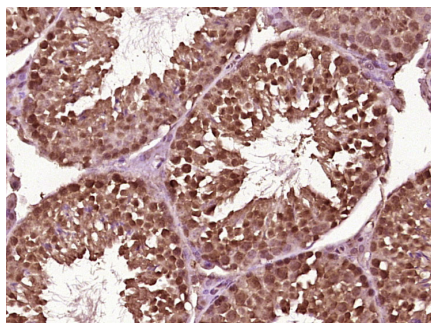
Background

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Images



Sample:
Thymus (Mouse) Lysate at 40 ug
Primary: Anti-NUDCD1 (AP57552) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 67 kD
Observed band size: 63 kD



Paraformaldehyde-fixed, paraffin embedded (mouse testis tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NUDCD1) Polyclonal Antibody, Unconjugated (AP57552) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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