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DND1 Rabbit pAb

Catalog # AP97895

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8IYX4
Other Accession	Q8IYX4
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38687
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DND1
Epitope Specificity	51-150/353
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 2 RRM (RNA recognition motif) domains.
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 encodes a protein that binds to microRNA-targeting sequences of mRNAs, inhibiting microRNA-mediated repression. Reduced expression of this gene has been implicated in tongue squamous cell carcinoma. Two pseudogenes of this gene are located on the long arm of chromosome 17. [provided by RefSeq, Dec 2010]

Additional Information

Gene ID	373863
Other Names	RBMS4; Ter; DND1_HUMAN; DND1; RNA-binding motif, single-stranded-interacting protein 4; DND1_MOUSE; DND microRNA-mediated repression inhibitor 1; dead end homolog 1 (zebrafish)
Dilution	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	DND1

Synonyms	RBMS4
Function	RNA-binding factor that positively regulates gene expression by prohibiting miRNA-mediated gene suppression. Relieves miRNA repression in germline cells (By similarity). Prohibits the function of several miRNAs by blocking the accessibility of target mRNAs. Sequence- specific RNA-binding factor that binds specifically to U-rich regions (URRs) in the 3' untranslated region (3'-UTR) of several mRNAs. Does not bind to miRNAs. May play a role during primordial germ cell (PGC) survival (By similarity). However, does not seem to be essential for PGC migration (By similarity).
Cellular Location	Nucleus. Cytoplasm. Note=Perinuclear germ granules, also called germ plasm or chromatoid body. Colocalizes in perinuclear sites with APOBEC3 (By similarity).

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