

RREB1 Rabbit pAb

Catalog # AP100247

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q92766
Other Accession	Q92766
Reactivity	Mouse
Predicted	Rat, Human, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	181420
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RREB1
Epitope Specificity	1-100/1687
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 krueppel C2H2-type zinc-finger protein family. Contains 15 C2H2-type zinc fingers.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
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 a zinc finger transcription factor that binds to RAS-responsive elements (RREs) of gene promoters. It has been shown that the calcitonin gene promoter contains an RRE and that the encoded protein binds there and increases expression of calcitonin, which may be involved in Ras/Raf-mediated cell differentiation. Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Dec 2009]

Additional Information

Gene ID	6239
Other Names	FINB; HNT; LZ321; RREB-1; Zep-1; 1110037N09Rik; B930013M22Rik; sao; RREB1_HUMAN; RREB1; Finger protein in nuclear bodies; Raf-responsive zinc finger protein LZ321; Zinc finger motif enhancer-binding protein 1 (Zep-1); RREB1_MOUSE; RAS-responsive zinc finger transcription factor RREB; ras responsive element binding protein 1; hindsight homolog (drosophila)
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	RREB1
Synonyms	FINB
Function	Transcription factor that binds specifically to the RAS- responsive elements (RRE) of gene promoters (PubMed: 10390538 , PubMed: 15067362 , PubMed: 17550981 , PubMed: 8816445 , PubMed: 9305772). Represses the angiotensinogen gene (PubMed: 15067362). Negatively regulates the transcriptional activity of AR (PubMed: 17550981). Potentiates the transcriptional activity of NEUROD1 (PubMed: 12482979). Promotes brown adipocyte differentiation (By similarity). May be involved in Ras/Raf-mediated cell differentiation by enhancing calcitonin expression (PubMed: 8816445).
Cellular Location	Nucleus speckle
Tissue Location	Expressed in heart, placenta, lung, liver, skeletal muscle, kidney and pancreas. Not found in the brain

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