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Datasheet for ABIN2779918 anti-ATF4 antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	ATF4
Binding Specificity:	N-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATF4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of mouse ATF4
Sequence:	MALFTKSSSS VAVTDKDTFE LSTFLESSKA PQHDRDELPE QRSVGGGLDD
Predicted Reactivity:	Mouse: 100%
Characteristics:	This is a rabbit polyclonal antibody against ATF4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	ATF4
Alternative Name:	ATF4 (ATF4 Products)

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Target Details

Background:	Atf4 binds to asymmetric cAMP response elements (CRE) as a heterodimer and to palindromic								
	CRE's as a homodimer.								
	Alias Symbols: Atf-4, C/ATF, CREB2, TAXREB67								
	Protein Interaction Partner: Egln3, Ubc, Hif1a, Satb2, Fam175b, Trib3, Gabbr2, Gabbr1, Jun, Fos,								
	Dapk3, Rps6ka3, Tnfsf11, Prkaca,								
	Protein Size: 381								
Molecular Weight:	42 kDa								
Gene ID:	11911								
NCBI Accession:	NM_009716, NP_033846								
UniProt:	Q61328								
Pathways:	Thyroid Hormone Synthesis, Myometrial Relaxation and Contraction, ER-Nucleus Signaling,								
	Unfolded Protein Response								

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.				
Comment:	Antigen size: 381 AA				
Restrictions:	For Research Use only				

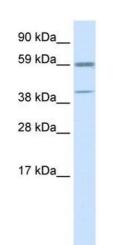
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 $\%$ (w/v) sodium azide and 2 $\%$ sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

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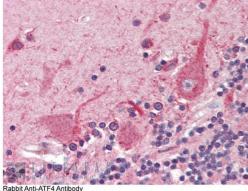
Spellman, Ahmed, Dubach, Gardiner: "Expression of trisomic proteins in Down syndrome model systems." in: Gene, Vol. 512, Issue 2, pp. 219-25, (2012) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-ATF4 Antibody Titration: 0.125ug/ml ELISA Titer: 1:62500 Positive Control: NIH/3T3 cell lysate

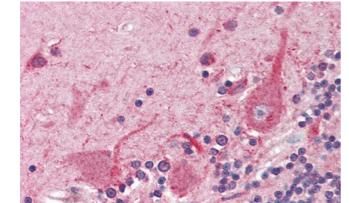


Catalog Number: ARP37017 Lot Number: QC6781 Paraffin Embeded Tissue: Human Brain, cerebe Antibody Concentration: 5.0 µg/ml urtesy of Lifespan Bioso

ces, Inc

Immunohistochemistry

Image 2. Immunohistochemistry with Human Braun, cerebellum tissue at an antibody concentration of 5.0ug/ml using anti-ATF4 antibody



Immunohistochemistry

Image	3.	Immunohistochemistry			with	Human	Braun,		
cerebellu	ım	tissue	at	an	Antibody	conce	entration	of	5.0
µg/mL using anti-ATF4 Antibody (ARP37017_P050)									

Please check the product details page for more images. Overall 5 images are available for ABIN2779918.

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