

Datasheet for ABIN2777219
anti-NFIL3 antibody (Middle Region)

2 Images

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Overview

Quantity:	100 µL
Target:	NFIL3
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Sheep, Dog, Guinea Pig, Horse, Zebrafish (Danio rerio), Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFIL3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human NFIL3
Sequence:	GYSHSPPLLQ VNRSSSNSPR TSETDDGVVG KSSDGEDEQQ VPKGPIHSPV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%, Sheep: 100%, Zebrafish: 85%
Characteristics:	This is a rabbit polyclonal antibody against NFIL3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	NFIL3
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Target Details

Alternative Name:	NFIL3 (NFIL3 Products)
Background:	<p>NFIL3 is a basic leucine zipper (bZIP) transcription factor that represses or activates transcription in non-osteoblastic cells. NFIL3 play a role in attenuation of PTH target gene transcription in osteoblasts. NFIL3 repression domain interacts specifically with the TBP binding repressor protein Dr1. Glucocorticoid-mediated upregulation of the bZIP transcriptional repressor gene, NFIL3, is dependent on $[Ca^{2+}]_i$ levels, and correlates with Glucocorticoid-evoked apoptosis of Glucocorticoid-sensitive CEM-C7-14 cells. NFIL3 is involved in a distinct growth factor-regulated signaling pathway that is responsible for the survival of early B-cell progenitors, and whose alteration by E2A-HLF leads to childhood B lineage leukemia.</p> <p>Alias Symbols: E4BP4, IL3BP1, NF-IL3A, NFIL3A</p> <p>Protein Interaction Partner: AMOTL2, TRAF2, MAFF, BATF, NFIL3, MAFG, DDIT3, CBX8, SUMO2, UBC, CREB3, DR1,</p> <p>Protein Size: 462</p>
Molecular Weight:	51 kDa
Gene ID:	4783
NCBI Accession:	NM_005384 , NP_005375
UniProt:	Q16649

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 462 AA
Restrictions:	For Research Use only

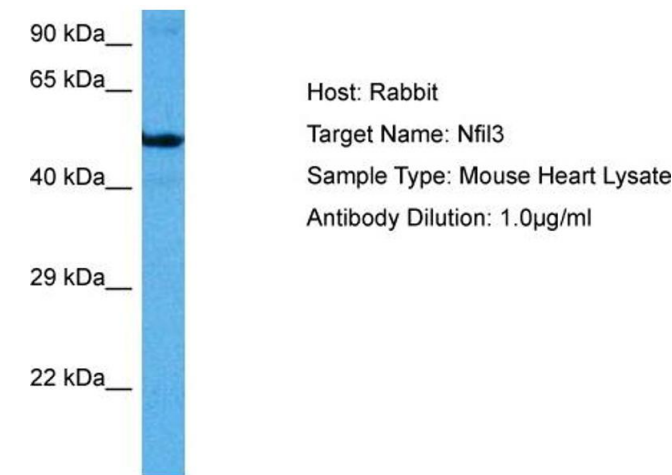
Handling

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

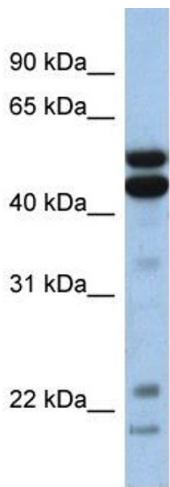
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. Host: Mouse Target Name: NFIL3 Sample Tissue: Mouse Heart Antibody Dilution: 1ug/ml



Western Blotting

Image 2. WB Suggested Anti-NFIL3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human brain