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Datasheet for 600-401-CV1

MORF4 Antibody

Overview

Description:	Anti-MORF4 (RABBIT) Antibody - 600-401-CV1
Item No.:	600-401-CV1
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Cellular senescence is the terminal non-dividing state that normal cells enter following completion of their proliferative potential. Fusions of immortal human cell lines with each other have led to their assignment to one of four complementation groups. Mortality factor 4 (MORF4) was identified as the lead member of a family of transcription factor-like proteins that reverses this immortal phenotype. Like other members in this family, MORF4 is localized to the nucleus and possesses transcription factor-like motifs such as helix-loop-helix and a leucine zipper motif that might allow it to form transcriptionally active homo- or heterodimers. MORF4 has been shown to bind to the transcription corepressors mSin3A and TLE, suggesting that together, these complexes may play a role in transcriptional repression of genes that lead to cellular senescence.
Synonyms:	MORF4 Antibody, CSR, SEN, CSRB, SEN1, Mortality Factor 4 (Pseudogene), Senescence (Cellular)-Related, Mortality Factor 4 Like 1 Pseudogene, Senescence-Related Cellular 1, Mortality Factor 4
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	MORF4
Reactivity:	Human, Mouse, Rat

Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-MORF4 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 18 amino acid synthetic peptide from near the N-terminus of human MORF4.
Purity/Specificity:	Anti-MORF4 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with MORF4 from other sources has not been determined.
Relevant Links:	• GeneID - 10934

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-MORF4 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 27 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1 and 2 µg/mL

Formulation

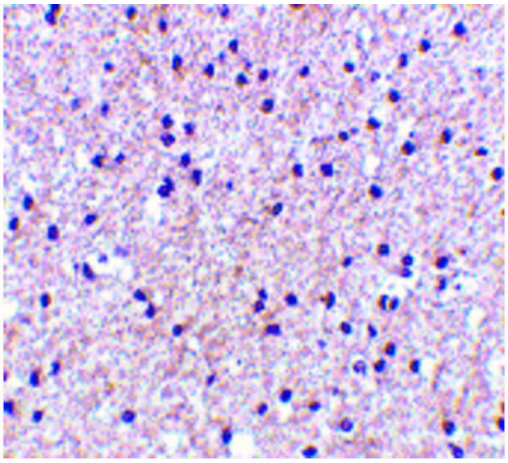
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

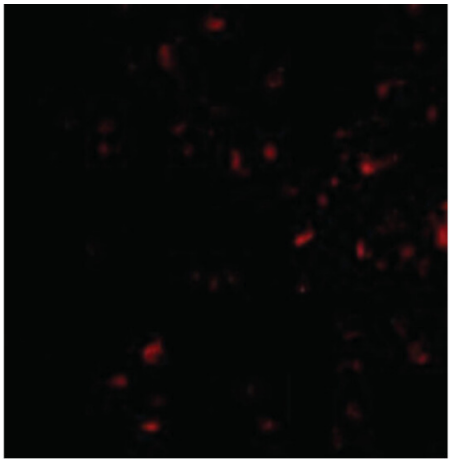
Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

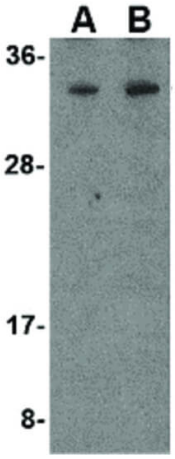
Images



Immunohistochemistry
Immunohistochemistry of MORF4 antibody. Tissue: Human brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: MORF4 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: MORF4 is nuclear and occasionally cytoplasmic. Staining: MORF4 as precipitated red signal with hematoxylin purple nuclear counterstain.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of MORF4 antibody. Tissue: HepG2 cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: MORF4 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: MORF4 as a red fluorescent signal.



Western Blot

Western Blot of MORF4 antibody. Lane A: K562 cell lysate at 1 µg/mL. Lane B: K562 cell lysate at 2 µg/mL. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C.

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