ARG54331
anti-DFFB / DFF40 / CAD antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DFFB / DFF40 / CAD
Tested Reactivity	Ms
Tested Application	IHC-P, WB
Specificity	This antibody recognizes full-length mouse DFFB / DFF40 / CAD (40kDa).
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DFFB / DFF40 / CAD
Species	Mouse
Immunogen	Peptide corresponding to aa 314-329 of mouse DFFB / DFF40 / CAD (accession no. O54788).
Conjugation	Un-conjugated
Alternate Names	Caspase-activated DNase; DFF40; DFF-40; Caspase-activated deoxyribonuclease; DNA fragmentation factor 40 kDa subunit; Caspase-activated nuclease; CPAN; DNA fragmentation factor subunit beta; DFF2; CAD

Application Instructions

Application table

Application	Dilution
IHC-P	10-20 µg/ml
WB	1-2 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: Mouse lung and kidney

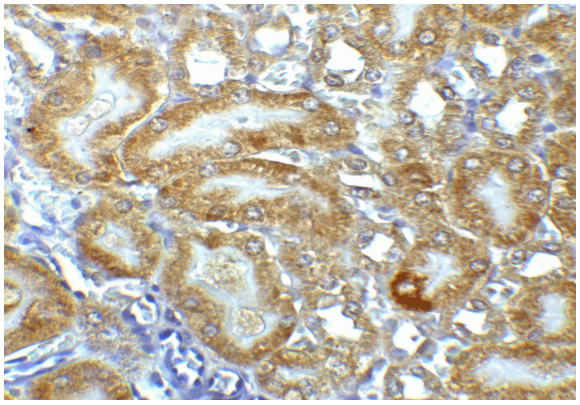
Properties

Form	Liquid
Purification	Immunoaffinity chroma-tography
Buffer	PBS (pH 7.4) and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

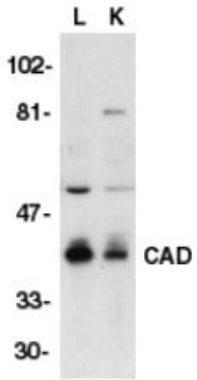
Database links	GeneID: 13368 Mouse Swiss-port # O54788 Mouse
Gene Symbol	Dffb
Gene Full Name	DNA fragmentation factor, beta subunit
Background	Cell death signals are transduced by death domain-containing adapter molecules and members of the caspase family of proteases. These death signals finally cause the degradation of chromosomal DNA by activated DNase. A mouse DNase that causes DNA fragmentation was identified recently and designated CAD (caspase activated deoxyribo-nuclease). Activation of CAD/DFF40, which causes DNA degradation, is the hallmark of apoptotic cell death.
Function	Nuclease that induces DNA fragmentation and chromatin condensation during apoptosis. Degrades naked DNA and induces apoptotic morphology. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Gene Regulation antibody; Metabolism antibody
Calculated Mw	39 kDa
Cellular Localization	Cytoplasm, Nucleus [uniprot]

Images



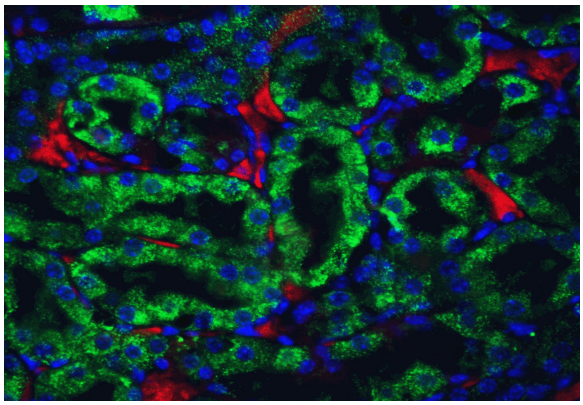
ARG54331 anti-DFFB / DFF40 / CAD antibody IHC-P image

Immunohistochemistry: Mouse kidney tissue stained with ARG54331 anti-DFFB / DFF40 / CAD antibody at 5 µg/ml dilution.



ARG54331 anti-DFFB / DFF40 / CAD antibody WB image

Western Blot: murine lung (L) and kidney (K) tissue lysates stained with ARG54331 anti-DFFB / DFF40 / CAD antibody at 2 µg/ml dilution.



ARG54331 anti-DFFB / DFF40 / CAD antibody IHC-P image

Immunohistochemistry: Mouse kidney tissue stained with ARG54331 anti-DFFB / DFF40 / CAD antibody at 5 µg/ml dilution.