

**ARG54408**  
anti-DFFB / DFF40 / CAD antibodyPackage: 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 205-222 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; Didff

### Application Instructions

Application table	Application	Dilution
	IHC-P	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse 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.

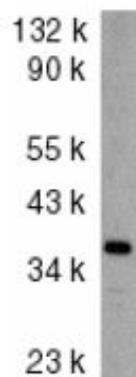
## Bioinformation

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Database links	<a href="#">GeneID: 13368 Mouse</a> <a href="#">Swiss-port # O54788 Mouse</a>
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]

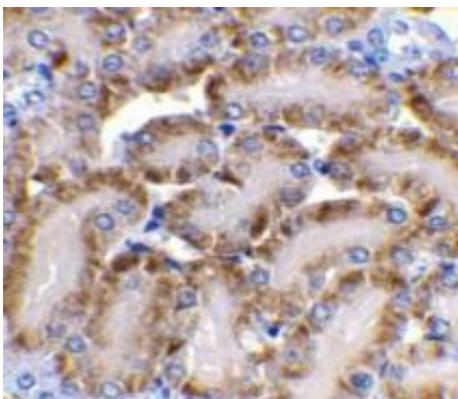
## Images

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ARG54408 anti-DFFB / DFF40 / CAD antibody WB image

Western Blot: mouse kidney stained with ARG54408 anti-DFFB / DFF40 / CAD antibody at 2 µg/ml dilution.



ARG54408 anti-DFFB / DFF40 / CAD antibody IHC image

Immunohistochemistry: mouse kidney stained with ARG54408 anti-DFFB / DFF40 / CAD antibody at 2 µg/ml dilution.