

## ARG54401 anti-ICAD antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ICAD
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Specificity	This antibody recognizes non-cleaved (45kDa) and cleaved DFF45.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ICAD
Species	Human
Immunogen	Peptide corresponding to aa 313-331 at the C-terminus of human DFF45 (accession no. NP_004392).
Conjugation	Un-conjugated
Alternate Names	DFF-45; DNA fragmentation factor 45 kDa subunit; Inhibitor of CAD; ICAD; DFF1; DNA fragmentation factor subunit alpha

### Application Instructions

Application table	Application	Dilution
	ICC/IF	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	HeLa, Jurkat, A431 and K562	

### Properties

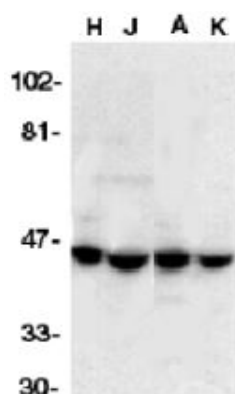
Form	Liquid
Purification	Immunoaffinity chroma-tography
Buffer	PBS (pH 7.4) and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free 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

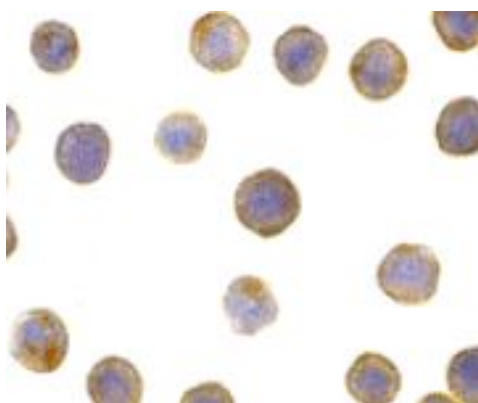
Database links	<a href="#">GeneID: 1676 Human</a> <a href="#">Swiss-port # O00273 Human</a>
Gene Symbol	DFFA
Gene Full Name	DNA fragmentation factor, 45kDa, alpha polypeptide
Background	A human DNA fragmentation factor (DFF) which is cleaved by caspase-3 during apoptosis was identified recently. The mouse homologue of human DFF was identified as a DNase inhibitor and was designated ICAD. Upon cleavage of DFF/ICAD, a caspase activated deoxyribonuclease (CAD) is released and activated and eventually causes the degradation of DNA in nuclei. Cleavage of CAD inhibitor molecule DFF/ICAD, which causes DNase activation and DNA degradation, is a hallmark of apoptotic cell death.
Function	Inhibitor of the caspase-activated DNase (DFF40). [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Cell Death antibody; Gene Regulation antibody; Metabolism antibody
Calculated Mw	37 kDa
PTM	Caspase-3 cleaves DFF45 at 2 sites to generate an active factor.

## Images



ARG54401 anti-ICAD antibody WB image

Western blot: H:HeLa;J:Jurkat; A:A431; K:K562 stained with ARG54401 anti-ICAD antibody at 1 µg/ml dilution.



ARG54401 anti-ICAD antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG54401 anti-ICAD antibody at 5 µg/ml dilution.