

ARG44651 anti-ICAD antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes ICAD
Tested Reactivity	Hu
Tested Application	IHC-P, IP, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	ICAD
Species	Human
Conjugation	Un-conjugated
Alternate Names	DFFA; DNA Fragmentation Factor Subunit Alpha; DFF-45; DFF45; ICAD; DFF1; DNA Fragmentation Factor, 45kDa, Alpha Polypeptide; DNA Fragmentation Factor 45 KDa Subunit; Inhibitor Of CAD; DNA Fragmentation Factor, 45 KD, Alpha Polypeptide; DNA Fragmentation Factor, 45 KD, Alpha Subunit

Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/mL
	IP	10 µg/mL
	WB	1 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

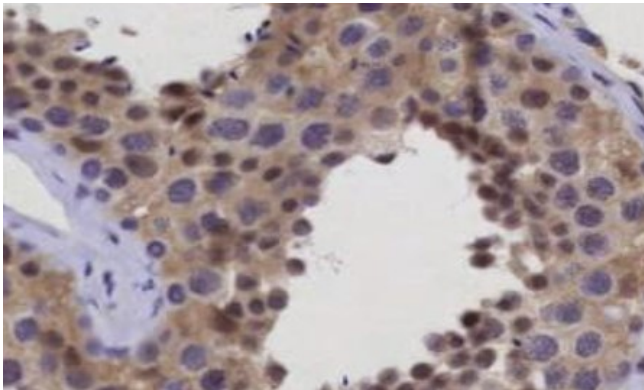
Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% 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

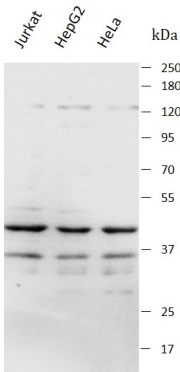
Gene Symbol	DFFA
Gene Full Name	DNA Fragmentation Factor Subunit Alpha
Background	Apoptosis is a cell death process that removes toxic and/or useless cells during mammalian development. The apoptotic process is accompanied by shrinkage and fragmentation of the cells and nuclei and degradation of the chromosomal DNA into nucleosomal units. DNA fragmentation factor (DFF) is a heterodimeric protein of 40-kD (DFFB) and 45-kD (DFFA) subunits. DFFA is the substrate for caspase-3 and triggers DNA fragmentation during apoptosis. DFF becomes activated when DFFA is cleaved by caspase-3. The cleaved fragments of DFFA dissociate from DFFB, the active component of DFF. DFFB has been found to trigger both DNA fragmentation and chromatin condensation during apoptosis. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Inhibitor of the caspase-activated DNase (DFF40). [UniProt]
PTM	Acetylation, Phosphoprotein. [UniProt]
Cellular Localization	Cytoplasm. [UniProt]

Images



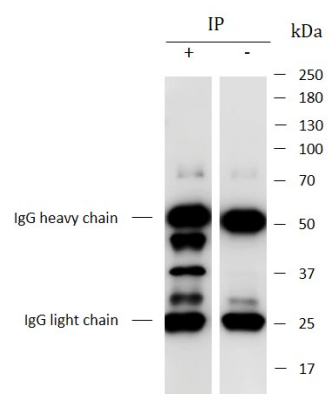
ARG44651 anti-ICAD antibody IHC-P image

Immunohistochemistry: Human Testis stained with ARG44651 anti-ICAD antibody at 5 µg/mL dilution.



ARG44651 anti-ICAD antibody WB image

Western blot: Jurkat, HepG2 and HeLa stained with ARG44651 anti-ICAD antibody at 1 µg/mL dilution.



ARG44651 anti-ICAD antibody IP image

Immunoprecipitation: Jurkat lysate immunoprecipitated with 2.5 µg of ARG44651 anti-ICAD antibody.