Datasheet for ABIN967816

# anti-FAS antibody (AA 1-163)

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## Overview

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|---|---|
| Quantity: | 50 µg |
| Target: | FAS |
| Binding Specificity: | AA 1-163 |
| Reactivity: | Human, Rat, Mouse, Dog, Chicken |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This FAS antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunoprecipitation (IP), Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Sections) (IHC (f)) |

## Product Details

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| Immunogen: | Human Fas aa. 1-163 |
| Clone: | 13-Fas |
| Isotype: | IgG2a kappa |
| Cross-Reactivity: | Chicken, Dog (Canine), Mouse (Murine), Rat (Rattus) |
| Characteristics: | 1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.<br>2. Please refer to us for technical protocols.<br>3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.<br>4. Source of all serum proteins is from USDA inspected abattoirs located in the United States. |

## Product Details

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| Purification: | The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. |

## Target Details

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| Target: | FAS |
| Alternative Name: | CD95 (FAS Products) |
| Background: | CD95 is a member of a family of cell surface receptors that includes tumor necrosis factor receptor (TNF-R), nerve growth factor receptor (NGF-R), CD40, CD27, CD30, and 4-1BB. Both murine and human Fas genes have been cloned and reportedly share 60% similarity in their amino acid sequences. CD95 (Fas) is a cell surface apoptosis-signaling molecule that is widely expressed in sites such as thymus, liver, heart, and ovary. Abnormalities in the Fas gene correlate with autoimmune features in mice and with unusually high levels of lymphocyte apoptosis in HIV-infected humans. Genetic studies have localized the Fas gene near the lpr (lymphoproliferation disease) locus on mouse chromosome 19 and further characterization reportedly has revealed that lpr is a mutation affecting the function of the Fas gene. This antibody is routinely tested by western blot analysis.<br>Synonyms: Fas, APO-1 |
| Molecular Weight: | 45 kDa |
| Pathways: | p53 Signaling, Apoptosis, Production of Molecular Mediator of Immune Response, Positive Regulation of Endopeptidase Activity |

## Application Details

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| Comment: | Related Products: ABIN967389 |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Concentration: | 250 µg/mL |
| Buffer: | Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |

## Handling

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| | should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store undiluted at -20°C. |

## Publications

Product cited in:

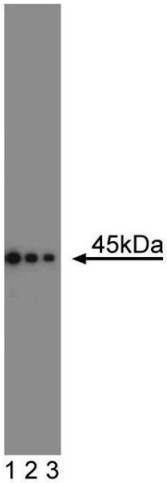
Rosen, Coll, Li, Filmus: "Transforming growth factor-alpha prevents detachment-induced inhibition of c-Src kinase activity, Bcl-XL down-regulation, and apoptosis of intestinal epithelial cells." in: **The Journal of biological chemistry**, Vol. 276, Issue 40, pp. 37273-9, (2001) (PubMed ).

Zhuang, Demirs, Kochevar: "Protein kinase C inhibits singlet oxygen-induced apoptosis by decreasing caspase-8 activation." in: **Oncogene**, Vol. 20, Issue 46, pp. 6764-76, (2001) (PubMed ).

MacLaren, Clark, Gillespie: "v-Jun sensitizes cells to apoptosis by a mechanism involving mitochondrial cytochrome C release." in: **Oncogene**, Vol. 19, Issue 51, pp. 5906-18, (2000) ( PubMed).

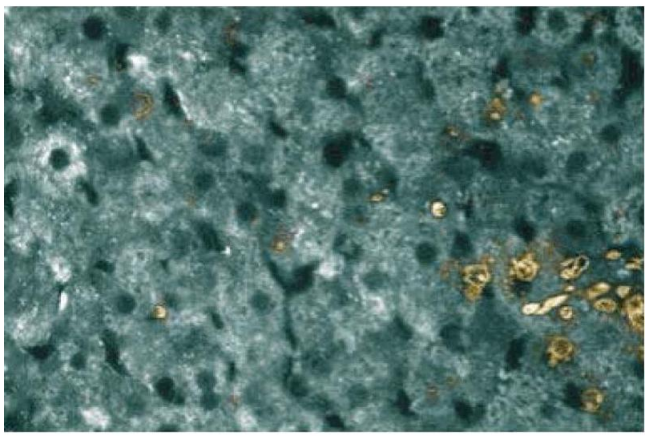
Arnold, Seifert, Asadullah, Volk: "Crosstalk between keratinocytes and T lymphocytes via Fas/Fas ligand interaction: modulation by cytokines." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 162, Issue 12, pp. 7140-7, (1999) (PubMed).

## Images




**Western Blotting**

**Image 1.** Western blot analysis of CD95 on a Daudi cell lysate (Human B lymphoblast, ATCC CCL-213). Lane 1: 1:5,000, lane 2: 1:10,000, lane 3: 1: 20,000 dilution of the anti-CD95 antibody.



**Immunohistochemistry**

**Image 2.** Immunohistochemical staining of a formalin-fixed rabbit liver section.