

**Product Name: FAS Rabbit Polyclonal Antibody**  
**Catalog #: APRab10834**



## Summary

|                        |                                |
|------------------------|--------------------------------|
| <b>Production Name</b> | FAS Rabbit Polyclonal Antibody |
| <b>Description</b>     | Rabbit Polyclonal Antibody     |
| <b>Host</b>            | Rabbit                         |
| <b>Application</b>     | WB,IHC,IF,ELISA                |
| <b>Reactivity</b>      | Human,Rat,Mouse,,Canine        |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Unmodified   |
| <b>Isotype</b>      | IgG  |
| <b>Clonality</b>    | Polyclonal   |
| <b>Form</b>         | Liquid   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.       |
| <b>Purification</b> | Affinity purification  |

## Immunogen

|                          |  |
|--------------------------|--|
| <b>Gene Name</b>         | FAS  |
| <b>Alternative Names</b> | FAS; APT1; FAS1; TNFRSF6; Tumor necrosis factor receptor superfamily member 6; Apo-1 antigen; Apoptosis-mediating surface antigen FAS; FASLG receptor; CD antigen CD95 |
| <b>Gene ID</b>           | 355.0  |
| <b>SwissProt ID</b>      | P25445.The antiserum was produced against synthesized peptide derived from human FAS. AA range:257-306   |

## Application

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | WB 1:500-2000, IF 1:50-300, IHC 1:50-300 |
| <b>Molecular Weight</b> | 42kD                                     |

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## Background

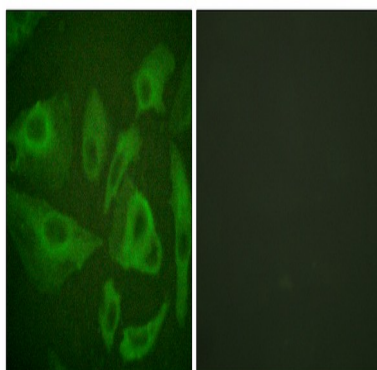
The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contains a death domain. It has been shown to play a central role in the physiological regulation of programmed cell death, and has been implicated in the pathogenesis of various malignancies and diseases of the immune system. The interaction of this receptor with its ligand allows the formation of a death-inducing signaling complex that includes Fas-associated death domain protein (FADD), caspase 8, and caspase 10. The autoproteolytic processing of the caspases in the complex triggers a downstream caspase cascade, and leads to apoptosis. This receptor has been also shown to activate NF-kappaB, MAPK3/ERK1, and MAPK8/JNK, and is found to be involved in transducing the proliferating signals in normal diploid fibroblast and T cells. Several alternatively spliced transcript variants have been described, sdisease:Defects in FAS are the cause of autoimmune lymphoproliferative syndrome type 1A (ALPS1A) [MIM:601859]; also known as Canale-Smith syndrome (CSS). ALPS is a childhood syndrome involving hemolytic anemia and thrombocytopenia with massive lymphadenopathy and splenomegaly.,domain:Contains a death domain involved in the binding of FADD, and maybe to other cytosolic adapter proteins.,function:Receptor for TNFSF6/FASLG. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both. The secreted isoforms 2 to 6 block apoptosis (in vitro),.online information:Mutations in TNFRSF6 causing ALPS type Ia,similarity:Contains 1 death domain.,similarity:Contains 3 TNFR-Cys repeats.,subunit:Binds DAXX. Interacts with HIPK3. Part of a complex containing HIPK3 and FADD (By similarity). Binds RIPK1 and FAIM2. Interacts with BRE and FEM1B.,tissue specificity:Isoform 1 and isoform 6 are expressed at equal levels in resting peripheral blood mononuclear cells. After activation there is an increase in isoform 1 and decrease in the levels of isoform 6.,

## Research Area

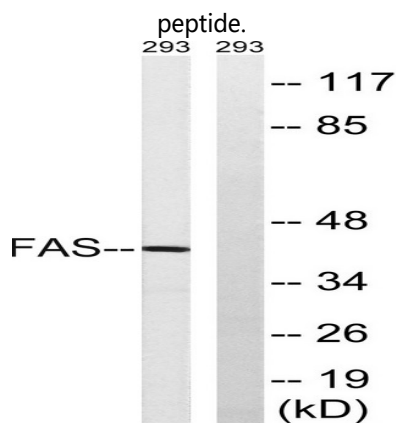
MAPK\_ERK\_Growth;MAPK\_G\_Protein;Cytokine-cytokine receptor  
interaction;p53;Apoptosis\_Inhibition;Apoptosis\_Mitochondrial;Apoptosis\_Overview;Natural killer cell mediated cytotoxicity;Type I diabetes mellitus;Alzheimer's disease;Pathways in cancer;Autoimmune thyroid disease;Allograft rejection;Graft-versus-host disease;

## Image Data

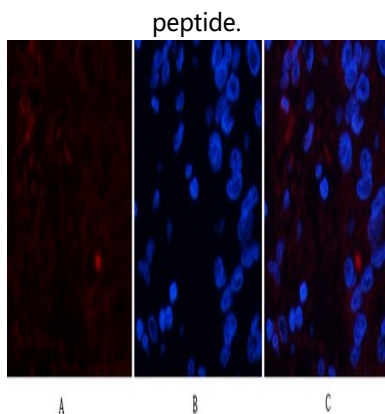
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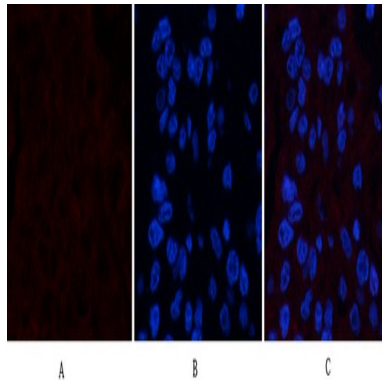
Immunofluorescence analysis of HeLa cells, using FAS Antibody. The picture on the right is blocked with the synthesized



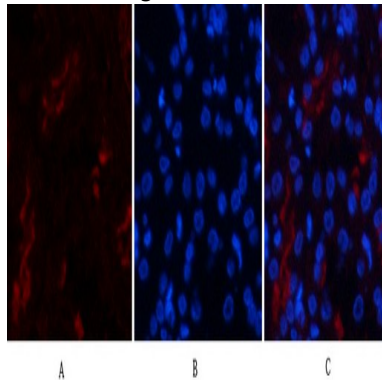
Western blot analysis of lysates from 293 cells, using FAS Antibody. The lane on the right is blocked with the synthesized



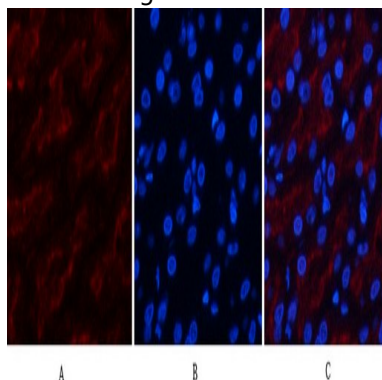
Immunofluorescence analysis of human-liver-cancer tissue. 1,FAS Polyclonal Antibody (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



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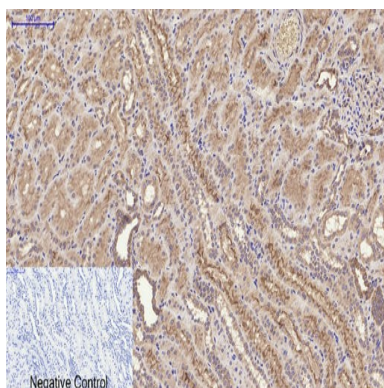


Immunofluorescence analysis of human-kidney tissue. 1, FAS Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

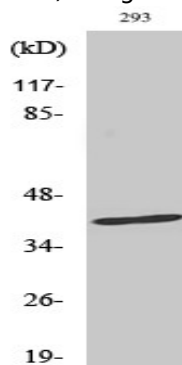


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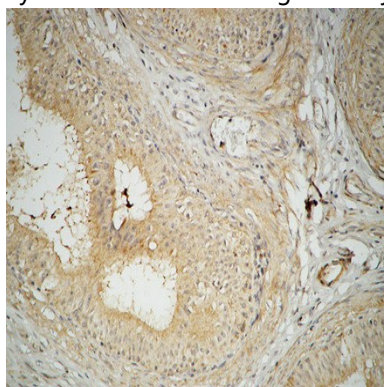
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Immunohistochemical analysis of paraffin-embedded Human-kidney tissue. 1, FAS Polyclonal Antibody was diluted at 1:200 (4°C, overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min) . 3, Secondary antibody was diluted at 1:200 (room temperature, 30min) . Negative control was used by secondary antibody only.



Western Blot analysis of various cells using FAS Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human testis. 1, Antibody was diluted at 1:100 (4°C, overnight) . 2, High-pressure and temperature EDTA, pH 8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30min) .

## Note

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For research use only.