BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566

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Anti-Fas Antibody

Catalog Number:PA1119

About Fas

FAS(also known as surface antigen APO1 or CD95) is a member of the tumour-necrosis receptor factor family of death receptors, can induce apoptosis or, conversely, can deliver growth stimulatory signals. It acts as an inducer of both neurite growth in vitro and accelerated recovery after nerve injury in vivo. Fas antigen is expressed and functional on papillary thyroid cancer cells and this may have potential therapeutic significance. The FAS antigen shows structural homology with a number of cell surface receptors, including tumor necrosis factor(TNF) receptors and the low-affinity nerve growth factor receptor(NGFR) and is mapped to 10q24.1. And the FAS and FASL system plays a key role in regulating apoptotic cell death and corruption of this signalling pathway has been shown to participate in immune escape and tumorigenesis.

Overview

Product Name	Anti-Fas Antibody
Reactive Species	Mouse, Rat
Description	Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 6(FAS) detection. Tested with WB, IHC-P, IHC-F in Mouse;Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Storage Instructions	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q63199

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of rat Fas (87-109aa, YTDRKHYSDKCRRCAFCDEGHGL).

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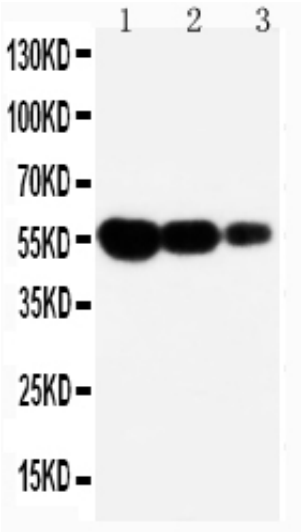
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P) and IHC(F).
Cross Reactivity	No cross reactivity with other proteins
Isotype	N/A
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry(Paraffin-embedded Section), 0.5-1µg/ml, Mouse, Rat , By Heat Immunohistochemistry(Frozen Section), 0.5-1µg/ml, Mouse, Rat , - Western blot, 0.1-0.5µg/ml, Mouse, Rat For protocols please visit https://www.bosterbio.com/protocol-and-troubleshooting/

Anti-Fas Antibody (PA1119) Images



Anti-Fas antibody, PA1119, Western blotting
Lane 1: Recombinant Mouse FAS Protein 10ng
Lane 2: Recombinant Mouse FAS Protein 5ng
Lane 3: Recombinant Mouse FAS Protein 2.5ng

Anti-Fas antibody, PA1119, IHC(P)
IHC(P): Rat Spleen Tissue Lysate

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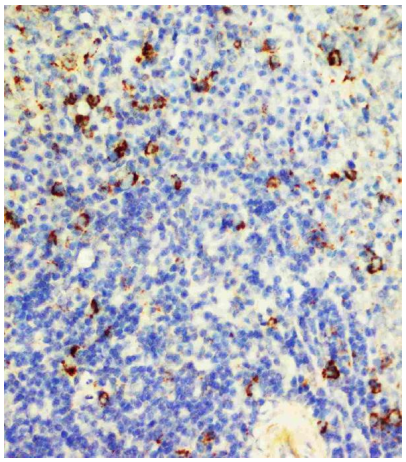
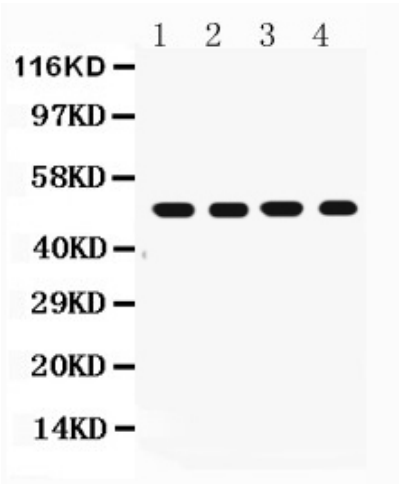
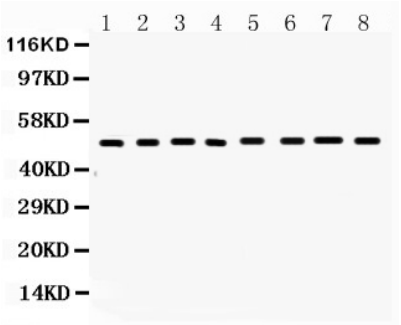




Western blot analysis of FAS expression in rat liver extract (lane 1), rat spleen extract (lane 2), rat brain extract (lane 3) and rat cardiac muscle extract (lane 4). FAS at 50KD was detected using rabbit anti- FAS Antigen Affinity purified polyclonal antibody (Catalog # PA1119) at 0.5 Î¼g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).



Western blot analysis of FAS expression in mouse liver extract (lane 1), mouse spleen extract (lane 2), mouse brain extract (lane 3) mouse kidney extract (lane 4), mouse thymus extract (lane 5), mouse lung extract (lane 6), HEPA1-6 whole cell lysates (lane 7) and NIH3T3 whole cell lysates (lane 8). FAS at 50KD was detected using rabbit anti-FAS Antigen Affinity purified polyclonal antibody (Catalog # PA1119) at 0.5 Î¼g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).

Figure 5. IHC analysis of FAS using anti-FAS antibody (PA1119).
FAS was detected in paraffin-embedded section of mouse intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1Î¼g/ml

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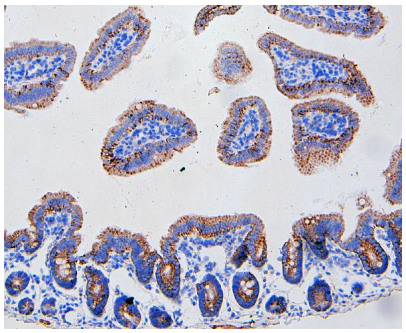

rabbit anti-FAS Antibody (PA1119) overnight at 4Â°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37Â°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.