

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

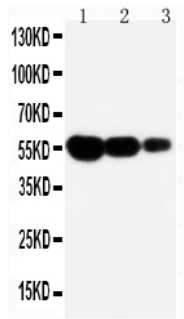
Product Name	Anti-Fas Antibody
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Fas Antibody catalog # PA1119. Tested in IHC, WB applications. This antibody reacts with Mouse, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q63199

Technical Details

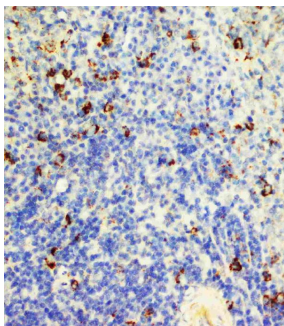
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of rat Fas.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P) and IHC(F).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Mouse, Rat , By Heat</p> <p>Immunohistochemistry (Frozen Section), 0.5-1ug/ml, Mouse, Rat , -</p> <p>Western blot, 0.1-0.5ug/ml, Mouse, Rat</p>

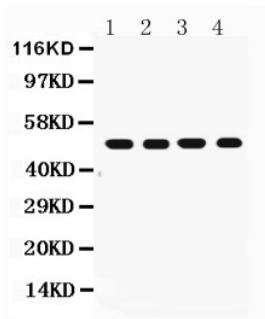
Anti-Fas Antibody (PA1119) Images



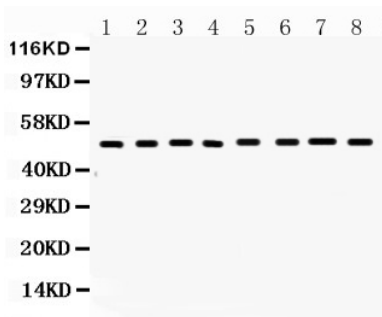
Anti-Fas antibody, PA1119, Western blotting
Lane 1: Recombinant Mouse FAS Protein 10ng
Lane 2: Recombinant Mouse FAS Protein 5ng
Lane 3: Recombinant Mouse FAS Protein 2.5ng



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



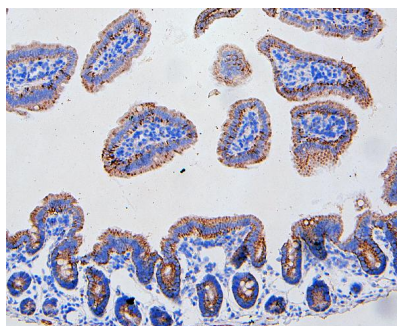
Western blot analysis of FAS expression in rat liver extract (lane 1), rat spleen extract (lane 2), rat brain extract (lane 3) and rat cardiac muscle extract (lane 4). FAS at 50KD was detected using rabbit anti-FAS Antigen Affinity purified polyclonal antibody (Catalog # PA1119) at 0.5 ug/mL. The blot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



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

21 Publications Citing This Product

1. PubMed ID: -, Lanfen Chen,Wei Chen,Mengbei Zhang et al.Comparison of therapeutic effects of melatonin by two different routes in focal cerebral ischemic rats.Journal of Neurorestoratology 2019,07(01):47-53.
2. PubMed ID: -, Yan Zhang,Linchao Zhang,JiaLu Bao et al.Perfluorooctanoic Acid Exposure in Early Pregnancy Induces Oxidative Stress in The Uterus and Liver in Mice,13 February 2021,PREPRINT (Version 1) available at Research Square [<https://doi.org/10.21203/rs.3.rs-160447>]
3. PubMed ID: 26063084, Liu Mw, Su Mx, Zhang W, Zhang Lm, Wang Yh, Qian Cy. Int J Mol Med. 2015 Aug;36(2):386-98. Doi: 10.3892/Ijmm.2015.2241. Epub 2015 Jun 10. Rhodiola Rosea Suppresses Thymus T-Lymphocyte Apoptosis By Downregulating Tumor Necrosis Factor-??-Induced Pro...

Visit bosterbio.com/anti-fas-antibody-pa1119-boster.html to see all 21 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Fas Antibody