Anti-Fas Ligand/FASLG Antibody

Catalog Number: PA1101

About FASLG

FAS Ligand (FASL) is a 40 kDa type II membrane protein belonging to the tumor necrosis factor family, which induces apoptosis by binding to its receptor, Fas. The human FasL gene consists of approximately 8.0 kb and is split into four exons. This gene consists of 281 amino acids with a calculated M (r) of 31,759 and was mapped on chromosome 1q23. It has an identity of 76.9% at the amino acid sequence level with mouse FasL. 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. FAS and FASL triggered apoptosis pathway plays an important role in human carcinogenesis. This system may also play a role in modulating the genetic susceptibility of mouse strains to develop T-cell lymphoblastic lymphomas.

Overview

Product Name	Anti-Fas Ligand/FASLG Antibody
Reactive Species	Human
Description	Boster Bio Anti-Fas Ligand/FASLG Antibody catalog # PA1101. Tested in IHC, ICC, WB applications. This antibody reacts with Human.
Conjugate	FITC
Application	IHC, ICC, WB
Clonality	Monoclonal BAM-10
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Storage Instructions	The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.
Host	Hamster
Uniprot ID	P48023

Technical Details

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Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Fas Ligand, different from the related mouse sequence by two amino acids, and from the related rat sequence by three amino acids.
Predicted Reactive Species	Monkey
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 ICC.
Cross Reactivity	No cross reactivity with other proteins

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

Anti-Fas Ligand/FASLG Antibody (PA1101) Images
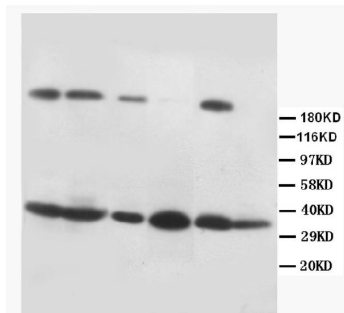
Anti-Fas Ligand antibody, PA1101, Western blotting
Lane 1: MCF-7 Cell Lysate
Lane 2: HELA Cell Lysate
Lane 3: MM231 Cell Lysate
Lane 4: JURKAT Cell Lysate
Lane 5: HT1080 Cell Lysate
Lane 6: COLO320 Cell Lysate
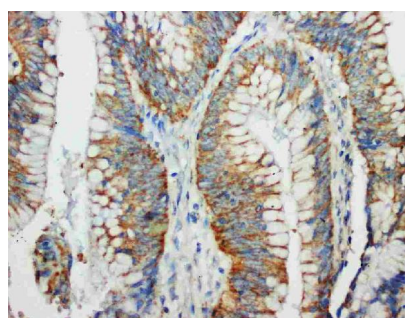
Anti-Fas Ligand antibody, PA1101, IHC(P)
IHC(P): Human Intestinal Cancer Tissue

7 Publications Citing This Product

1. 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...

2. PubMed ID: 23671449, Ma H, Zhang X, Zhang X, Yang D, Meng L, Zhang Y, Zhou S. Arch Med Sci. 2013 Apr 20;9(2):354-60. Doi: 10.5114/Aoms.2012.31439. Epub 2012 Oct 30. The Effect Of Esculentoside A On Lupus Nephritis-Prone Bxsb Mice.

3. PubMed ID: 17542508, Wang J, Tang T, Yang H, Yao X, Chen L, Liu W, Li T. J Neurosurg Spine. 2007 May;6(5):425-30. The Expression Of Fas Ligand On Normal And Stabbed-Disc Cells In A Rabbit Model Of Intervertebral Disc Degeneration: A Possible Pathogenesis.

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