abcam

Product datasheet

Anti-Fas Ligand antibody ab68338

★★★★★ 1 Abreviews 10 References 4 Images

Overview

Product name	Anti-Fas Ligand antibody
Description	Rabbit polyclonal to Fas Ligand
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P, ICC, ICC/IF
Species reactivity	**Reacts with:** Mouse, Human
Immunogen	Synthetic peptide corresponding to Human Fas Ligand (C terminal). Different to the related mouse sequence by three amino acids.
Positive control	This antibody gave a positive result in IF in the following Formaldehyde fixed cell line: MCF-7.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide, 0.01% Thimerosal (merthiolate) Constituents: 2.5% BSA, 0.45% Sodium chloride, 0.1% Dibasic monohydrogen sodium phosphate
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab68338** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★	Use a concentration of 1 µg/ml. Predicted molecular weight: 31 kDa.
IHC-P		Use a concentration of 1 - 2 µg/ml.

Application	Abreviews	Notes
ICC		Use a concentration of 0.5 - 1 µg/ml.
ICC/IF		Use a concentration of 1 µg/ml.

Target

Function
Cytokine that binds to TNFRSF6/FAS, a receptor that transduces the apoptotic signal into cells. May be involved in cytotoxic T-cell mediated apoptosis and in T-cell development. TNFRSF6/FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both. Binding to the decoy receptor TNFRSF6B/DcR3 modulates its effects.

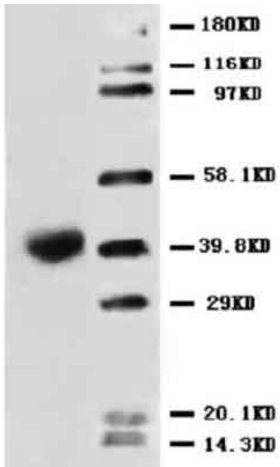
Involvement in disease
Defects in FASLG are the cause of autoimmune lymphoproliferative syndrome type 1B (ALPS1B) [MIM:601859]; also known as Canale-Smith syndrome (CSS). ALPS is a childhood syndrome involving hemolytic anemia and thrombocytopenia with massive lymphadenopathy and splenomegaly.

Sequence similarities
Belongs to the tumor necrosis factor family.

Post-translational modifications
N-glycosylated.
The soluble form derives from the membrane form by proteolytic processing.

Cellular localization
Cell membrane. Secreted. May be released into the extracellular fluid, probably by cleavage form the cell surface.

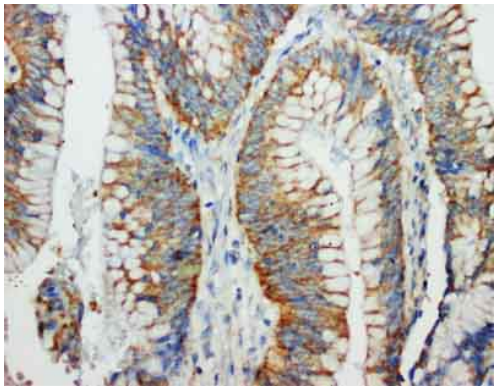
Images



Western blot - Fas Ligand antibody (ab68338)

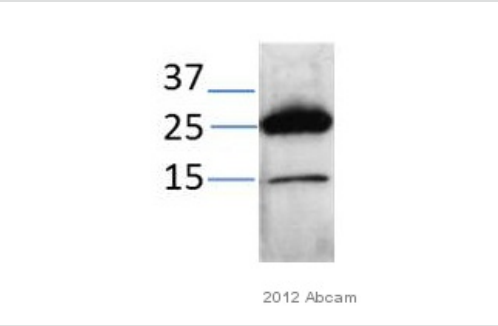
Anti-Fas Ligand antibody (ab68338) at 1 µg/ml + HeLa cell lysate

Predicted band size: 31 kDa
Observed band size: 39 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Fas Ligand antibody (ab68338)

ab68338 staining Fas Ligan in human intestinal cancer tissue by Immunohistochemistry (formalin fixed, paraffin embedded section). Primary antibody used at 2µg/ml.



Western blot - Anti-Fas Ligand antibody (ab68338)
This image is courtesy of an anonymous Abreview

Anti-Fas Ligand antibody (ab68338) at 1/500 dilution + Mouse serum at 50 µg

Secondary
HRP-conjugated goat anti-rabbit polyclonal IgG at 1/5000 dilution

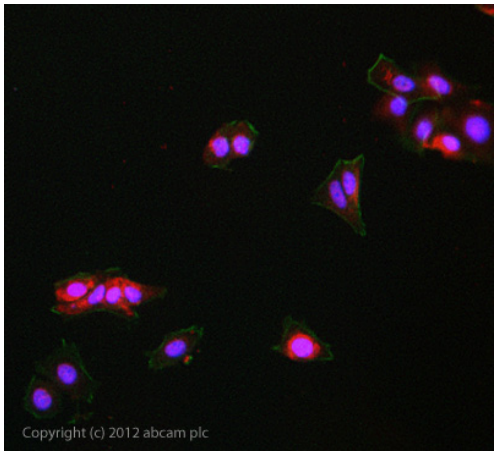
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 31 kDa
Observed band size: 25 kDa
Additional bands at: 15 kDa (possible isoform)

Exposure time: 1 minute

Blocked with 5% BSA for 1 hour at 22°C



Immunocytochemistry/ Immunofluorescence - Anti-Fas Ligand antibody (ab68338)

ICC/IF image of ab68338 stained MCF-7 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab68338 at 1µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- rabbit (ab96899) IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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