

Product datasheet

Anti-Fas Ligand antibody ab68338

★★★★★ 1 Abreviews 10 References 4 Images

Overview

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

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservatives: 0.025% Thimerosal (merthiolate), 0.025% Sodium azide Constituents: 2.5% BSA, 0.45% Sodium chloride, 0.1% Dibasic monohydrogen sodium phosphate
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	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.

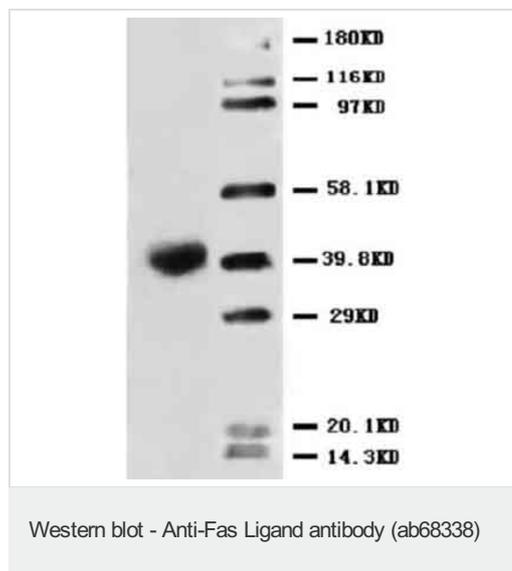
Application	Abreviews	Notes
WB	★★★★★	Use a concentration of 1 µg/ml. Predicted molecular weight: 31 kDa.
IHC-P		Use a concentration of 1 - 2 µg/ml.

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

## Target

<b>Function</b>	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.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the tumor necrosis factor family.
<b>Post-translational modifications</b>	N-glycosylated. The soluble form derives from the membrane form by proteolytic processing.
<b>Cellular localization</b>	Cell membrane. Secreted. May be released into the extracellular fluid, probably by cleavage from the cell surface.

## Images

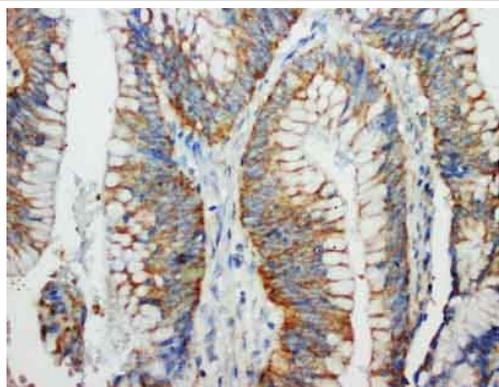


Anti-Fas Ligand antibody (ab68338) at 1 µg/ml + HeLa cell lysate

**Predicted band size:** 31 kDa

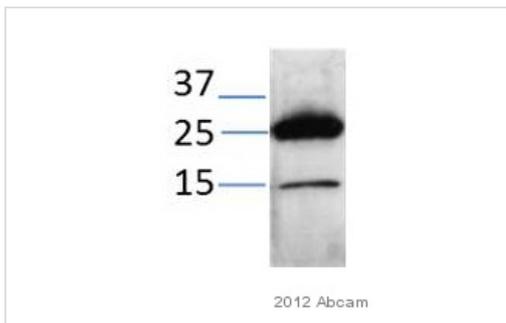
**Observed band size:** 39 kDa

[why is the actual band size different from the predicted?](#)



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

ab68338 staining Fas Ligand 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.

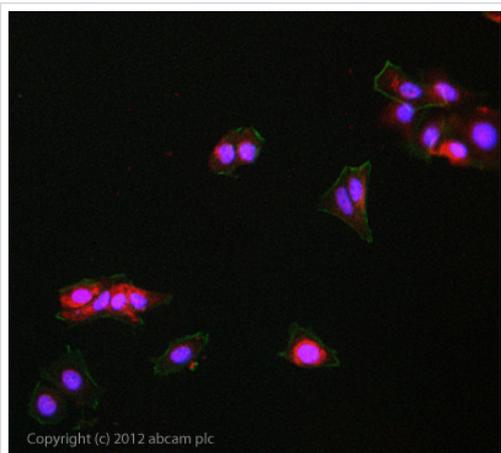
**Predicted band size:** 31 kDa

**Observed band size:** 25 kDa [why is the actual band size different from the predicted?](#)

**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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