

Product datasheet

Anti-UGT antibody [7H2AF11] ab129729

4 Images

Overview

<b>Product name</b>	Anti-UGT antibody [7H2AF11]
<b>Description</b>	Mouse monoclonal [7H2AF11] to UGT
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, IP, In-Cell ELISA, ICC/IF, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Does not react with:</b> Mouse, Rat
<b>Immunogen</b>	Tissue, cells or virus. This information is considered to be commercially sensitive.
<b>Positive control</b>	Human liver homogenate lysate; Hela cells This antibody gave a positive result in IHC in the following FFPE tissue: Human normal liver.
<b>General notes</b>	This antibody clone is manufactured by Abcam.  Product was previously marketed under the MitoSciences sub-brand.  If you require this antibody in a particular buffer formulation or a particular conjugate for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a> or you can find further information <a href="#">here</a> .

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide Constituent: 99% HEPES buffered saline
<b>Purification notes</b>	Purity is near homogeneity as judged by SDS-PAGE. ab129729 was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	7H2AF11
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab129729** in the following tested applications.

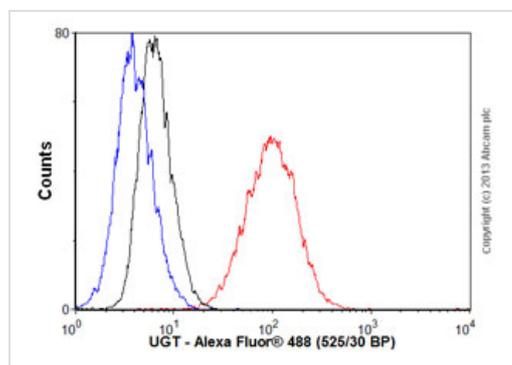
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		Use at an assay dependent concentration.
In-Cell ELISA		Use a concentration of 1 µg/ml.
ICC/IF		Use a concentration of 5 µg/ml.
Flow Cyt		Use 1µg for 10 <sup>6</sup> cells. <a href="#">ab170190</a> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## Target

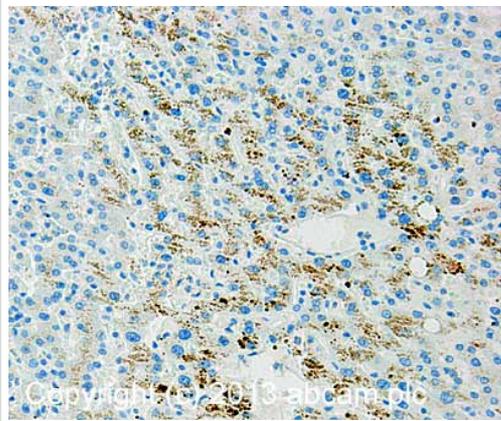
**Cellular localization** Microsome membrane; Single-pass membrane protein. Endoplasmic reticulum membrane; Single-pass membrane protein

## Images



Flow Cytometry - Anti-UGT antibody [7H2AF11] (ab129729)

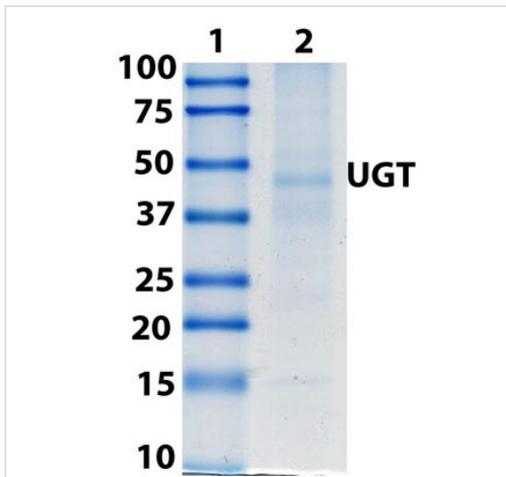
Overlay histogram showing HepG2 cells stained with ab129729 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab129729, 1µg/1x10<sup>6</sup> cells) for 30 min at 22°C. The secondary antibody used was an [anti-mouse Alexa Fluor® 488 \(ab150113\)](#) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 1µg/1x10<sup>6</sup> cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UGT antibody [7H2AF11] (ab129729)

IHC image of UGT staining in Human Normal liver formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab129729, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

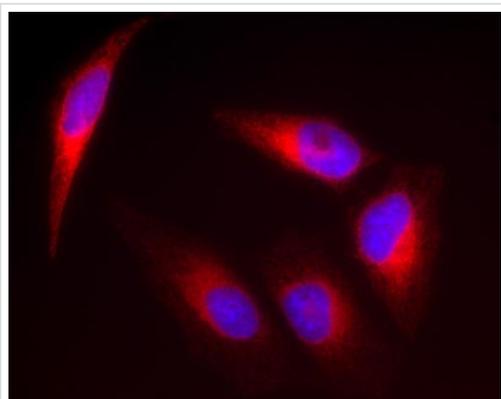


Immunoprecipitation - Anti-UGT antibody [7H2AF11] (ab129729)

Immunoprecipitation image of ab129729. UGT antibody immunocaptured 57 kDa UGT from Human liver homogenate (HLH). Gel stained with Coomassie brilliant blue G.

Lane 1: Ladder

Lane 2: Human liver homogenate lysate



Immunocytochemistry/ Immunofluorescence - Anti-UGT antibody [7H2AF11] (ab129729)

Immunocytochemistry image of ab129729 stained HeLa cells. The cells were paraformaldehyde fixed (4%, 20 min) and Triton X-100 permeabilized (0.1%, 15min). The cells were incubated with ab129729 at 5 µg/ml for 2h at room temperature or over night at 4°C. The secondary antibody was (red) AlexaFluor® 594 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. 1% BSA was used as the blocking agent for all blocking steps. DAPI was used to stain the cell nuclei (blue). The target protein locates to the endoplasmic reticulum.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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