abcam

Product datasheet

Alexa Fluor® 555 Anti-CYP2D6 antibody [EPR17868] ab212002

Recombinant RabMAb

2 Images

Overview

Product name	Alexa Fluor® 555 Anti-CYP2D6 antibody [EPR17868]
Description	Alexa Fluor® 555 Rabbit monoclonal [EPR17868] to CYP2D6
Host species	Rabbit
Conjugation	Alexa Fluor® 555. Ex: 555nm, Em: 565nm
Tested applications	**Suitable for:** ICC/IF
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant fragment within Human CYP2D6 aa 300 to the C-terminus. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please **contact** our Scientific Support team to discuss your requirements. Database link: **P10635** **Run BLAST with** **Run BLAST with**
Positive control	ICC/IF: HeLa cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**. Alexa Fluor® is a registered trademark of Molecular Probes, Inc, a Thermo Fisher Scientific Company. The Alexa Fluor® dye included in this product is provided under an intellectual property license from Life Technologies Corporation. As this product contains the Alexa Fluor® dye, the purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). As this product contains the Alexa Fluor® dye the sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: in manufacturing; (ii) to

provide a service, information, or data in return for payment (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are sold for use in research. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or **outlicensing@thermofisher.com**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 1% BSA, 30% Glycerol (glycerin, glycerine), PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR17868
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab212002 in the following tested applications.

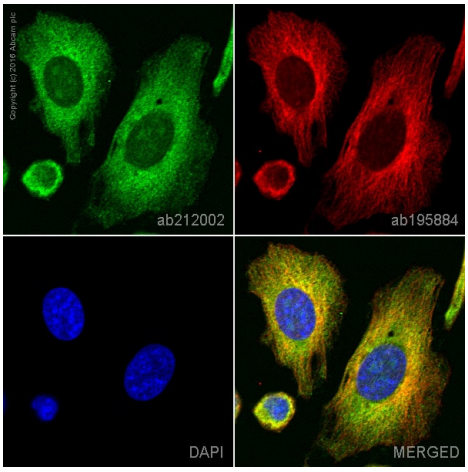
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/50. This product gave a positive signal in HeLa cells fixed with 100% methanol (5 min).

Target

Function	Responsible for the metabolism of many drugs and environmental chemicals that it oxidizes. It is involved in the metabolism of drugs such as antiarrhythmics, adrenoceptor antagonists, and tricyclic antidepressants.
Sequence similarities	Belongs to the cytochrome P450 family.
Cellular localization	Endoplasmic reticulum membrane. Microsome membrane.

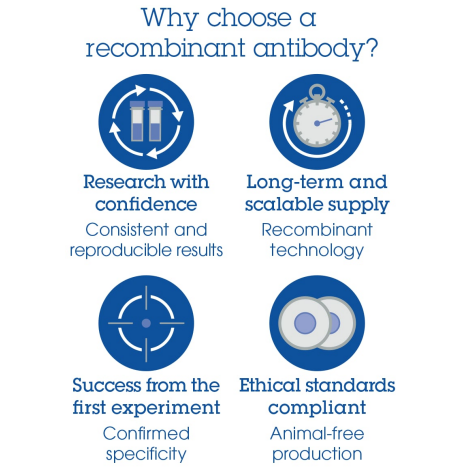
Images



Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 555 Anti-CYP2D6 antibody [EPR17868] (ab212002)

ab212002 staining CYP2D6 in HeLa cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab212002 at 1/50 dilution (**pseudocolored in green** and **ab195884**, Rat monoclonal to Tubulin (Alexa Fluor® 647), at 1/250 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



Alexa Fluor® 555 Anti-CYP2D6 antibody [EPR17868] (ab212002)

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