

### Anti-DPD antibody [7D4] ab54797

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#### 概述

<b>产品名称</b>	Anti-DPD抗体[7D4]
<b>描述</b>	小鼠单克隆抗体[7D4] to DPD
<b>宿主</b>	Mouse
<b>经测试应用</b>	<b>适用于:</b> WB, ICC/IF, Flow Cyt
<b>种属反应性</b>	<b>与反应:</b> Human
<b>免疫原</b>	Recombinant fragment corresponding to Human DPD aa 1-111.
<b>常规说明</b>	<p>This product was changed from ascites to tissue culture supernatant on 12/3/19. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>存储溶液</b>	pH: 7.4
<b>纯度</b>	Tissue culture supernatant
<b>克隆</b>	单克隆
<b>克隆编号</b>	7D4
<b>同种型</b>	IgG1
<b>轻链类型</b>	kappa

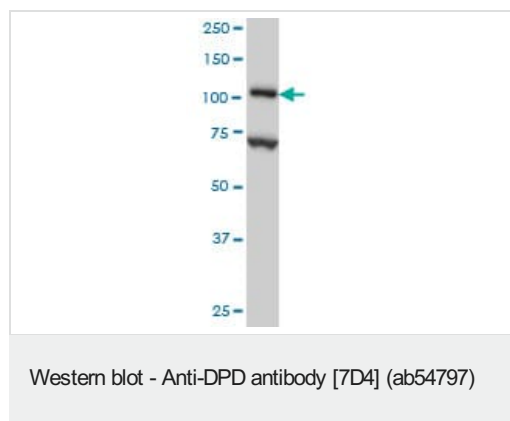
**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab54797于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use at an assay dependent concentration. Predicted molecular weight: 111 kDa.
ICC/IF		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

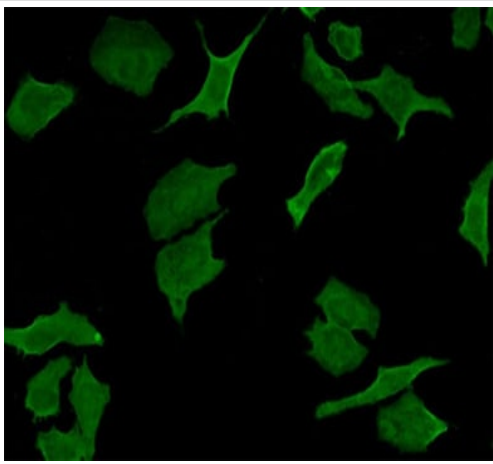
**靶标**

<b>功能</b>	Involved in pyrimidine base degradation. Catalyzes the reduction of uracil and thymine. Also involved in the degradation of the chemotherapeutic drug 5-fluorouracil.
<b>组织特异性</b>	Found in most tissues with greatest activity found in liver and peripheral blood mononuclear cells.
<b>通路</b>	Amino-acid biosynthesis; beta-alanine biosynthesis.
<b>疾病相关</b>	Defects in DPYD are the cause of dihydropyrimidine dehydrogenase deficiency (DPYD deficiency) [MIM:274270]; also known as hereditary thymine-uraciluria or familial pyrimidinemia. DPYD deficiency is a disease characterized by persistent urinary excretion of excessive amounts of uracil, thymine and 5-hydroxymethyluracil. Patients suffering from this disease show a severe reaction to the anticancer drug 5-fluorouracil. This reaction includes stomatitis, Leukopenia, thrombocytopenia, hair loss, diarrhea, fever, marked weight loss, cerebellar ataxia, and neurologic symptoms, progressing to semicomatose.
<b>序列相似性</b>	Belongs to the dihydropyrimidine dehydrogenase family. Contains 3 4Fe-4S ferredoxin-type domains.
<b>细胞定位</b>	Cytoplasm.

**图片**

DPD antibody (ab54797) at 1ug/lane + HeLa cell lysate at 25ug/lane.

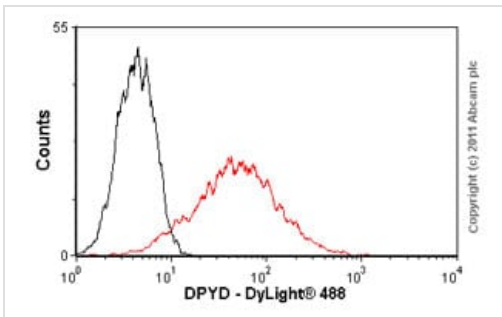
**This image was generated using the ascites version of the product.**



Immunocytochemistry/ Immunofluorescence - Anti-DPD antibody [7D4] (ab54797)

ab54797 at 10 ug/ml staining DPD in human HeLa cells by Immunocytochemistry / Immunofluorescence.

**This image was generated using the ascites version of the product.**



Flow Cytometry - Anti-DPD antibody [7D4] (ab54797)

Overlay histogram showing HepG2 cells stained with ab54797 (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 (ab54797, 1 µg/1x10<sup>6</sup> cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 2 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HepG2 cells fixed with 100% methanol (5 min)/permeabilized in 0.1% PBS-Tween used under the same conditions.

**This image was generated using the ascites version of the product.**

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

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