

## Product datasheet

# Anti-NUDT5 antibody [EPR7734] ab129172

**KO VALIDATED** Recombinant RabMAb

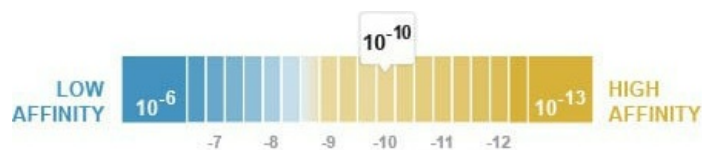
[4 References](#) [6 Images](#)

### Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-NUDT5 antibody [EPR7734]  |
| <b>Description</b>         | Rabbit monoclonal [EPR7734] to NUDT5   |
| <b>Host species</b>        | Rabbit   |
| <b>Tested applications</b> | <b>Suitable for:</b> WB, IHC-P<br><b>Unsuitable for:</b> ICC/IF or IP  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human<br><b>Predicted to work with:</b> Mouse, Rat   |
| <b>Immunogen</b>           | Synthetic peptide within Human NUDT5 aa 1-100. The exact sequence is proprietary.  |
| <b>Positive control</b>    | WB: U937, HeLa, 293T and HepG2 cell lysates. IHC-P: Human kidney and Human bladder carcinoma tissue.   |
| <b>General notes</b>       | This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> .<br>Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> . |

### Properties

|  |  |
|--|--|
| <b>Form</b>                                  | Liquid   |
| <b>Storage instructions</b>                  | Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C. |
| <b>Dissociation constant (K<sub>D</sub>)</b> | K <sub>D</sub> = 1.77 x 10 <sup>-10</sup> M                    |



[Learn more about K<sub>D</sub>](#)

|                       |   |
|-----------------------|---|
| <b>Storage buffer</b> | pH: 7.20<br>Preservative: 0.01% Sodium azide<br>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant |
| <b>Purity</b>         | Protein A purified  |
| <b>Clonality</b>      | Monoclonal  |
| <b>Clone number</b>   | EPR7734   |
| <b>Isotype</b>        | IgG   |

## Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab129172 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

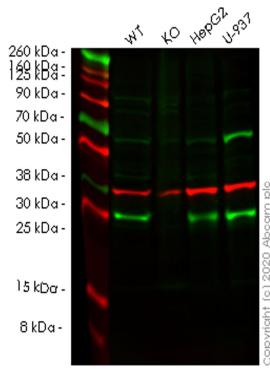
| Application | Abreviews | Notes   |
|-------------|-----------|---|
| WB          |           | 1/1000 - 1/10000. Predicted molecular weight: 24 kDa.   |
| IHC-P       |           | 1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. |

**Application notes** Is unsuitable for ICC/IF or IP.

## Target

|                              |  |
|------------------------------|--|
| <b>Function</b>              | Hydrolyzes with similar activities ADP-ribose, ADP-mannose, and ADP-glucose. Can also hydrolyze other nucleotide sugars with low activity. |
| <b>Tissue specificity</b>    | Widely expressed. Most abundant in liver.  |
| <b>Sequence similarities</b> | Belongs to the Nudix hydrolase family.<br>Contains 1 nudix hydrolase domain.   |

## Images



Western blot - Anti-NUDT5 antibody [EPR7734] (ab129172)

**All lanes :** Anti-NUDT5 antibody [EPR7734] (ab129172) at 1/1000 dilution

**Lane 1 :** Wild-type HEK293T cell lysate

**Lane 2 :** NUDT5 knockout HEK293T cell lysate

**Lane 3 :** HepG2 cell lysate

**Lane 4 :** U-937 cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

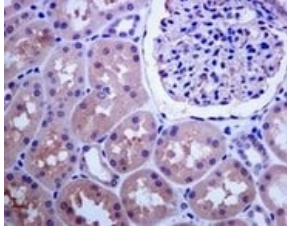
**All lanes :** Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (ab216773) at 1/10000 dilution

**Predicted band size:** 24 kDa

**Observed band size:** 30 kDa

**Lanes 1-4:** Merged signal (red and green). Green - ab129172 observed at 30 kDa. Red - loading control ab8245 observed at 36 kDa.

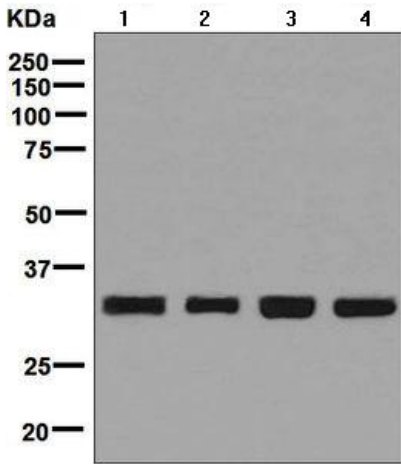
ab129172 Anti-NUDT5 antibody [EPR7734] was shown to specifically react with NUDT5 in wild-type HEK293T cells. Loss of signal was observed when knockout cell line ab266242 (knockout cell lysate ab258087) was used. Wild-type and NUDT5 knockout samples were subjected to SDS-PAGE. ab129172 and Anti-GAPDH antibody [6C5] - Loading Control (ab8245) were incubated at room temperature for 2.5 hours at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (ab216773) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (ab216776) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NUDT5 antibody [EPR7734] (ab129172)

ab129172, at a 1/50, staining NUDT5 in paraffin embedded Human kidney tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-NUDT5 antibody [EPR7734] (ab129172)

**All lanes** : Anti-NUDT5 antibody [EPR7734] (ab129172) at 1/1000 dilution

**Lane 1** : U937 cell lysate

**Lane 2** : HeLa cell lysate

**Lane 3** : 293T cell lysate

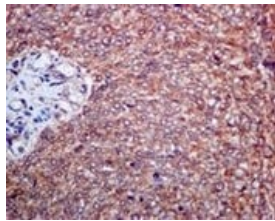
**Lane 4** : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes** : HRP labelled goat anti-rabbit at 1/2000 dilution

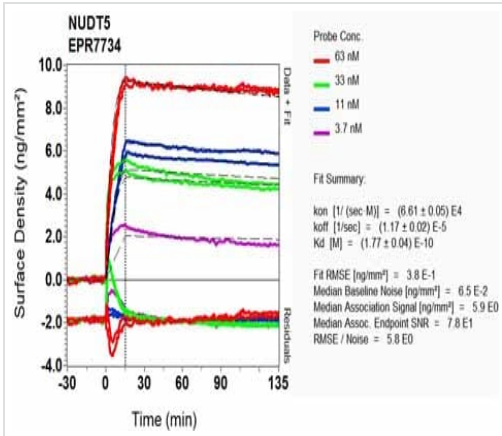
**Predicted band size:** 24 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NUDT5 antibody [EPR7734] (ab129172)

ab129172, at 1/50, staining NUDT5 in paraffin embedded Human bladder carcinoma tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



SPR Scanning - Anti-NUDT5 antibody [EPR7734]  
(ab129172)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

Why choose a recombinant antibody?

**Research with confidence**  
Consistent and reproducible results

**Long-term and scalable supply**  
Recombinant technology

**Success from the first experiment**  
Confirmed specificity

**Ethical standards compliant**  
Animal-free production

Anti-NUDT5 antibody [EPR7734] (ab129172)

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

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