

Product datasheet

Anti-DUT antibody ab13690

2 References 1 Image

Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-DUT antibody   |
| <b>Description</b>         | Rabbit polyclonal to DUT  |
| <b>Host species</b>        | Rabbit  |
| <b>Tested applications</b> | <b>Suitable for:</b> WB   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human   |
| <b>Immunogen</b>           | Synthetic peptide, corresponding to amino acids 25-44 (NARGTAEGRSRGTLRARPAP) and 113-130 (QLRFARLSEHATAPTRGS) of Human DUT-N. |
| <b>Positive control</b>    | HeLa cell lysate.   |

Properties

|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | Preservative: 0.02% Sodium Azide<br>Constituents: PBS   |
| <b>Purity</b>               | Protein G purified  |
| <b>Purification notes</b>   | This antibody is affinity purified.   |
| <b>Clonality</b>            | Polyclonal  |
| <b>Isotype</b>              | IgG   |

Applications

Our [Abpromise guarantee](#) covers the use of **ab13690** 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

|                          |   |
|--------------------------|---|
| <b>Application notes</b> | WB: 1/1000 - 1/2000. Detects a band of approximately 21 kDa (predicted molecular weight: 27 |
|--------------------------|---|

kDa).

Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Please note:

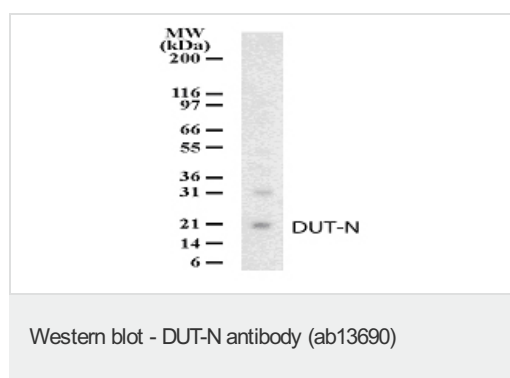
Quality control data for this antibody: 20 ug of HeLa cell lysate was used in one lane of a mini blot. At a 1 min exposure, two bands are seen (as shown on the datasheet): a predominant band at 21 kDa and a lighter band at ~31 kDa.

At a 15 min exposure, a 90 kDa band is also observed, along with much lighter bands at 66 and 55 kDa. Therefore please note that additional bands can appear with prolonged exposure, high antibody concentrations or high lysate concentrations, this may mask the specific band.

## Target

|   |   |
|---|---|
| <b>Function</b>                         | This enzyme is involved in nucleotide metabolism: it produces dUMP, the immediate precursor of thymidine nucleotides and it decreases the intracellular concentration of dUTP so that uracil cannot be incorporated into DNA. |
| <b>Tissue specificity</b>               | Found in a variety of tissues.  |
| <b>Pathway</b>                          | Pyrimidine metabolism; dUMP biosynthesis; dUMP from dCTP (dUTP route): step 2/2.  |
| <b>Sequence similarities</b>            | Belongs to the dUTPase family.  |
| <b>Post-translational modifications</b> | Phosphorylation in mature T-cells occur in a cell cycle-dependent manner.   |
| <b>Cellular localization</b>            | Mitochondrion and Nucleus.  |

## Images



Western blot detection of DUT-N in HeLa cell lysate using ab13690 at a dilution of 1:1,000.

Western blot detection of DUT-N in HeLa cell lysate using ab13690 at a dilution of 1:1,000.

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