

Product datasheet

Anti-Ornithine Decarboxylase antibody [1G6] ab119072

5 Images

Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-Ornithine Decarboxylase antibody [1G6]  |
| <b>Description</b>         | Mouse monoclonal [1G6] to Ornithine Decarboxylase  |
| <b>Host species</b>        | Mouse  |
| <b>Tested applications</b> | <b>Suitable for:</b> WB, ICC/IF  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human, Monkey  |
| <b>Immunogen</b>           | Recombinant full length Human Ornithine Decarboxylase produced in HEK293T cells (NP_002530).   |
| <b>Positive control</b>    | HEK293T cell lysate transfected with pCMV6-ENTRY Ornithine Decarboxylase cDNA; HepG2, HeLa, HT29, A549, COS7, Jurkat, MDCK, PC12, and MCF7 cell extracts; COS7 cells transiently transfected by pCMV6-ENTRY Ornithine Decarboxylase; HEK293T cells transfected with pCMV6-ENTRY Ornithine Decarboxylase overexpress plasmid; Jurkat cells. |
| <b>General notes</b>       | Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt.   |

Properties

|                             |  |
|-----------------------------|--|
| <b>Form</b>                 | Liquid   |
| <b>Storage instructions</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles. |
| <b>Storage buffer</b>       | pH: 7.30<br>Preservative: 0.02% Sodium azide<br>Constituents: 48% PBS, 50% Glycerol, 1% BSA    |
| <b>Purity</b>               | Protein G purified   |
| <b>Purification notes</b>   | ab119072 was purified from Mouse ascites fluid by affinity chromatography.                     |
| <b>Clonality</b>            | Monoclonal   |
| <b>Clone number</b>         | 1G6  |
| <b>Isotype</b>              | IgG1   |

Applications

Our [Abpromise guarantee](#) covers the use of **ab119072** 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          |           | 1/500 - 1/2000. Predicted molecular weight: 51 kDa. |
| ICC/IF      |           | 1/100.  |

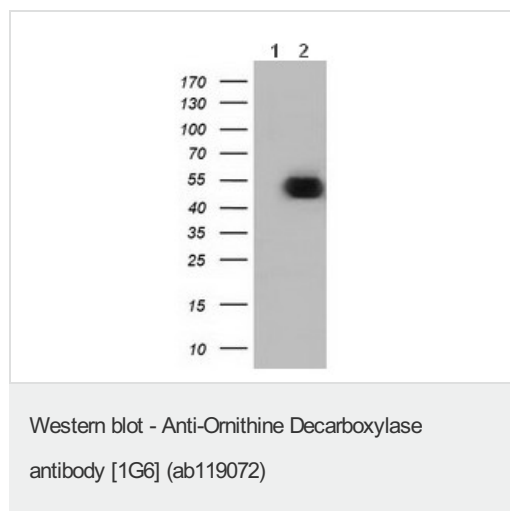
## Target

**Pathway** Amine and polyamine biosynthesis; putrescine biosynthesis via L-ornithine pathway; putrescine from L-ornithine: step 1/1.

**Sequence similarities** Belongs to the Orn/Lys/Arg decarboxylase class-II family.

**Post-translational modifications** S-Nitrosylation inhibits the enzyme. S-Nitrosylated in vitro on 4 cysteine residues.

## Images



**All lanes :** Anti-Ornithine Decarboxylase antibody [1G6] (ab119072) at 1/500 dilution

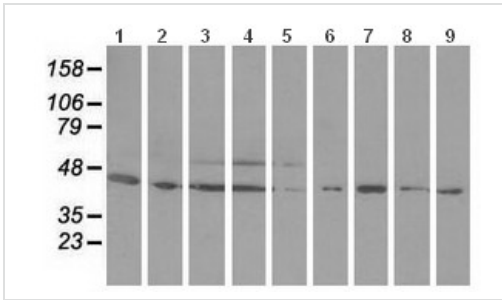
**Lane 1 :** HEK293T cell lysate transfected with pCMV6-ENTRY control cDNA

**Lane 2 :** HEK293T cell lysate transfected with pCMV6-ENTRY Ornithine Decarboxylase cDNA

Lysates/proteins at 5 µg per lane.

**Predicted band size:** 51 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC206858)



Western blot - Anti-Omithine Decarboxylase antibody [1G6] (ab119072)

**All lanes :** Anti-Omithine Decarboxylase antibody [1G6] (ab119072) at 1/500 dilution

**Lane 1 :** HepG2 cell extract

**Lane 2 :** HeLa cell extract

**Lane 3 :** HT29 cell extract

**Lane 4 :** A549 cell extract

**Lane 5 :** COS7 cell extract

**Lane 6 :** Jurkat cell extract

**Lane 7 :** MDCK cell extract

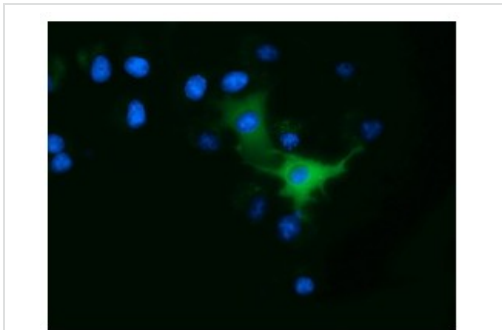
**Lane 8 :** PC12 cell extract

**Lane 9 :** MCF7 cell extract

Lysates/proteins at 35 µg per lane.

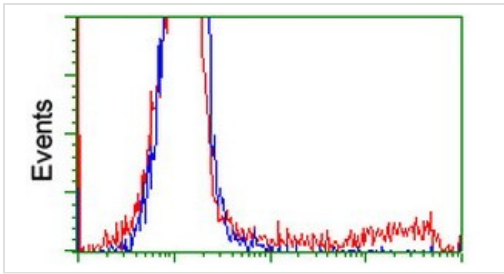
**Predicted band size:** 51 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC206858)



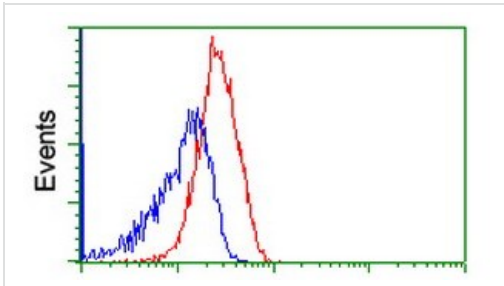
Immunocytochemistry/ Immunofluorescence - Anti-Omithine Decarboxylase antibody [1G6] (ab119072)

ab119072, at 1/100 dilution, staining Ornithine Decarboxylase in COS7 cells transiently transfected by pCMV6-ENTRY Ornithine Decarboxylase by Immunofluorescence



Flow Cytometry - Anti-Omithine Decarboxylase antibody [1G6] (ab119072)

ab119072 at 1/100 dilution staining Ornithine Decarboxylase in HEK293T cells transfected with either pCMV6-ENTRY Ornithine Decarboxylase overexpress plasmid (Red) or empty vector control plasmid (Blue) by flow cytometry.



Flow Cytometry - Anti-Omithine Decarboxylase antibody [1G6] (ab119072)

ab119072 at 1/100 dilution staining Ornithine-Decarboxylase in Jurkat cells by Flow cytometry (Red) compared to a nonspecific negative control antibody (Blue).

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