

Product datasheet

Anti-Ornithine Decarboxylase antibody [1G6] ab119072

5 Images

Overview

Product name	Anti-Ornithine Decarboxylase antibody [1G6]
Description	Mouse monoclonal [1G6] to Ornithine Decarboxylase
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human, Monkey
Immunogen	Recombinant full length Human Ornithine Decarboxylase produced in HEK293T cells (NP_002530).
Positive control	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.
General notes	Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt.

Properties

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

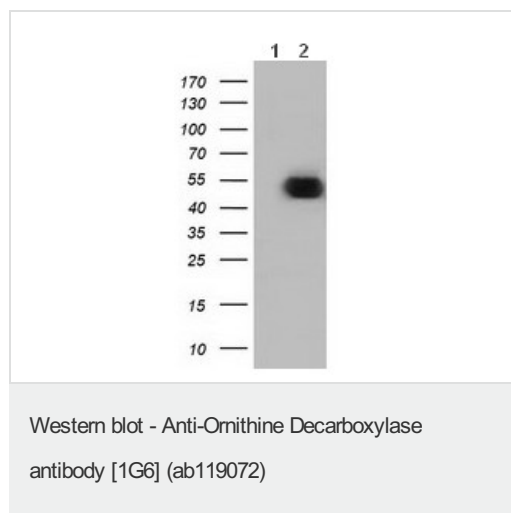
Target

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

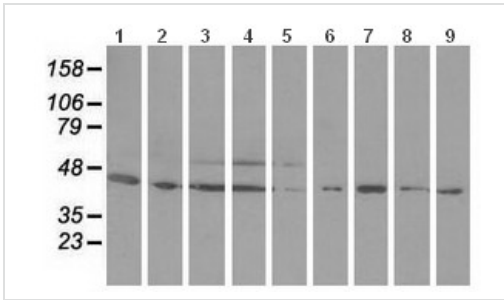
Lane 1 : HEK293T cell lysate transfected with pCMV6-ENTRY control cDNA

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

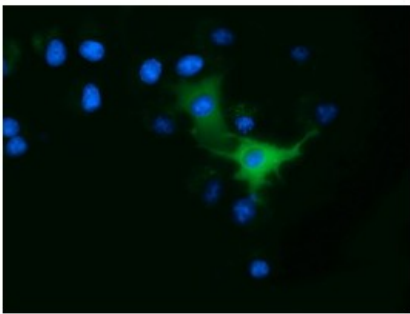
Lane 8 : PC12 cell extract

Lane 9 : MCF7 cell extract

Lysates/proteins at 35 µg per lane.

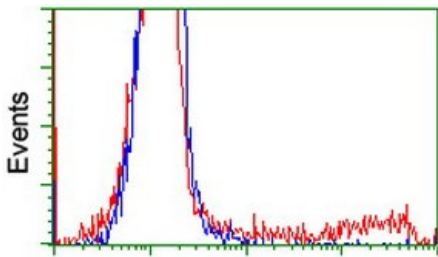
Predicted band size : 51 kDa

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



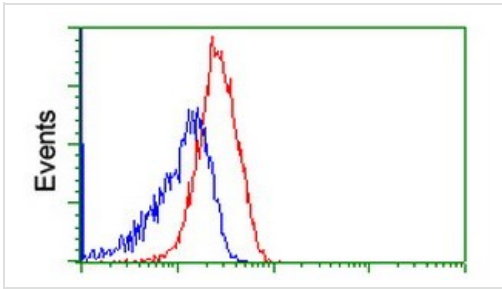
Immunocytochemistry/ Immunofluorescence - Anti-Omithine Decarboxylase antibody [1G6] (ab119072)

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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