

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 36-1525: Monoclonal Antibody to Ornithine Decarboxylase-1 (ODC-1)(Clone: ODC1/486)

Clone Name: ODC1/486
Application: FACS,IF,WB,IHC
Reactivity: Human, Rat

Gene : ODC1
Gene ID : 4953
Uniprot ID : P11926
Format : Purified
Alternative Name : ODC1

**Isotype:** Mouse IgG2a, kappa

Immunogen Information: Recombinant human ODC-1 protein

## **Description**

Recognizes a 53kDa protein, identified as the Ornithine Decarboxylase (ODC-1). ODC is the initial and rate-limiting enzyme in the biosynthetic pathway of polyamines and is involved in the conversion of ornithine to putrescine. The biological activity of ODC-1 is rapidly induced in response to virtually all agents known to promote cell proliferation including hormones, drugs, growth factors, mitogens, and tumor promoters. Reportedly, ODC mRNA levels are elevated in lung carcinomas as well as in colon adenomas and carcinomas. ODC activity in colorectal carcinomas is greater than those in adenomas and normal mucosa.

## **Product Info**

**Amount :** 100 μg

**Purification:** Affinity Chromatography

**Content:** 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

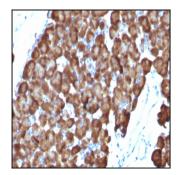
toxic.

**Storage condition :** Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (0.25-0.5ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

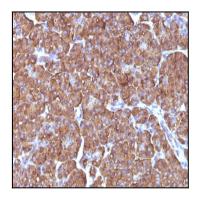


Formalin-fixed, paraffin-embedded Rat Pancreas stained with ODC1 Monoclonal Antibody (ODC1/486)



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Formalin-fixed, paraffin-embedded human Pancreas stained with ODC1 Monoclonal Antibody (ODC1/486)  $\,$