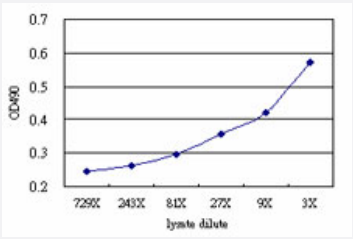
ODC1 (Human) Matched Antibody Pair

Catalog # H00004953-AP61 Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from approximately 27x to 3x dilution of the ODC1 293T overexpression lysate (non-denatured).

Specification

Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human ODC1.
Reactivity	Human
Quality Control Testing	Standard curve using ODC1 293T overexpression lysate (non-denatured) as an analyte. Sandwich ELISA detection sensitivity ranging from approximately 27x to 3x dilution of the ODC1 293 T overexpression lysate (non-denatured).
Supplied Product	Antibody pair set content: 1. Capture antibody: mouse monoclonal anti-ODC1 (100 ug) 2. Detection antibody: rabbit MaxPab® affinity purified polyclonal anti-ODC1 (50 ug) *Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- ELISA Pair (Transfected lysate)

  Protocol Download

Gene Info — ODC1

Entrez GeneID	4953
Gene Name	ODC1
Gene Alias	ODC
Gene Description	ornithine decarboxylase 1
Omim ID	114500 165640
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the rate-limiting enzyme of the polyamine biosynthesis pathway which catalyzes ornithine to putrescine. The activity level for the enzyme varies in response to growth-promoting stimuli and exhibits a high turnover rate in comparison to other mammalian proteins. Originally localized to both chromosomes 2 and 7, the gene encoding this enzyme has been determined to be located on 2p25, with a pseudogene located on 7q31-qter. [provided by RefSeq
Other Designations	-

Pathway

- Arginine and proline metabolism
- Biosynthesis of alkaloids derived from ornithine
- Glutathione metabolism
- Metabolic pathways

Disease

- Adenoma
- Adenomatous Polyposis Coli
- Breast cancer
- Breast Neoplasms
- Colon cancer

- Colonic Neoplasms
- Colorectal Neoplasms
- Gastritis
- Genetic Predisposition to Disease
- Neoplasm Recurrence
- Precancerous Conditions
- Recurrence
- Stomach Neoplasms