

ARG40522 anti-Ornithine Decarboxylase antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Ornithine Decarboxylase
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Ornithine Decarboxylase
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-280 of Human Ornithine Decarboxylase (NP_002530.1).
Conjugation	Un-conjugated
Alternate Names	Ornithine decarboxylase; ODC; EC 4.1.1.17

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	
Observed Size	50 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ODC1
Gene Full Name	ornithine decarboxylase 1
Background	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. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Dec 2013]
Function	Key enzyme of polyamine biosynthesis that converts ornithine into putrescine, which is the precursor for the polyamines, spermidine and spermine. [UniProt]
Calculated Mw	51 kDa
PTM	S-Nitrosylation inhibits the enzyme. S-Nitrosylated in vitro on 4 cysteine residues. [UniProt]

Images



ARG40522 anti-Ornithine Decarboxylase antibody WB image

Western blot: 25 µg of HeLa cell lysate stained with ARG40522 anti-Ornithine Decarboxylase antibody at 1:1000 dilution.