

PACO50646

Product Information

Size:

50ug

Reactivity:

Pseudomonas aeruginosa

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:5000

Protein Background:

Catalyzes the conversion of L-ornithine to N(5)-hydroxyornithine, the first step in the biosynthesis of all hydroxamate-containing siderophores, such as pyoverdin. Pyoverdin is a hydroxamate siderophore composed of a 6,7-dihydroxyquinoline-containing fluorescent chromophore joined to the N-terminus of a partly cyclic octapeptide (D-Ser-L-Arg-D-Ser-L-N(5)-OH-Orn-L-Lys-L-N(5)-OH-Orn-L-Thr-L-Thr in strain PAO1). Specific for NADPH, which plays a role in stabilization of the C4a-hydroperoxyflavin intermediate.

Gene ID:

pvdA

Uniprot

Q51548

Synonyms:

L-ornithine N(5)-monooxygenase (EC 1.14.13.195) (L-ornithine N(5)-hydroxylase) (Ornithine hydroxylase) (L-ornithine N(5)-oxygenase) (Pyoverdin biosynthesis protein A), pvdA, pvd-1

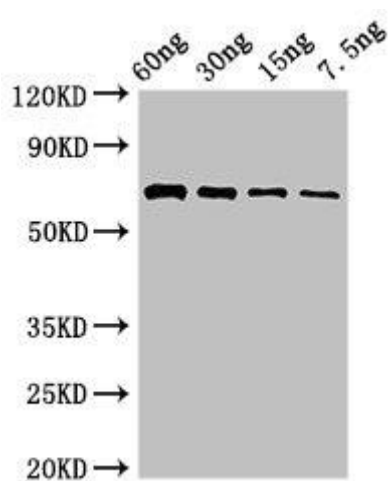
Immunogen:

Recombinant Pseudomonas aeruginosa L-ornithine N(5)-monooxygenase protein (1-443AA).

Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

Product Images



Western Blot. Positive WB detected in Recombinant protein. All lanes: pvdA antibody at 2.8 μ g/ml. Secondary. Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 65 kDa. Observed band size: 65 kDa.