

PACO52186

Product Information

Size:

50ug

Reactivity:

Saccharomyces cerevisiae

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA

Recommended dilutions:

Protein Background:

Metalloendopeptidase that acts selectively on DNA-binding proteins. DNA is needed to bring the protease and substrates together to enable proteolysis. Involved in the repair of toxic DNA-protein cross-links (DPCs) such as covalently trapped topoisomerase 1 (TOP1) adducts on DNA lesions or DPCs induced by reactive compounds such as formaldehyde. Involved in DNA damage response and processing of stalled or collapsed replication forks by removing the covalently trapped TOP1 from chromatin. DPC proteolysis enables the repair of the lesions via downstream DNA repair pathways. May be recruited to DPCs via the SUMOylation of substrate proteins at damaged DNA sites.

Gene ID:

WSS1

Uniprot

P38838

Synonyms:

DNA-dependent metalloprotease WSS1 (EC 3.4.24) (DNA damage response protein WSS1) (SUMO-dependent isopeptidase WSS1) (Weak suppressor of SMT3 protein 1), WSS1

Immunogen:

Recombinant Saccharomyces cerevisiae DNA-dependent metalloprotease WSS1 protein (1-269AA).

Storage:

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

Product Images

N/A

N/A