ProSci INCORPORATED
www.prosci-inc.com

12170 Flint Place
Poway, CA 92064
Tel: 858-513-2638
Fax: 858-513-2692
Toll Free: 888-513-9525
techsupport@prosci-inc.com

PSMD8 Antibody

26S proteasome non-ATPase regulatory subunit 8

CATALOG NO.: XW-7966

BACKGROUND:
FUNCTION: Acts as a regulatory subunit of the 26S proteasome which is involved in the ATP-dependent degradation of ubiquitinated proteins. Necessary for activation of the CDC28 kinase. SIMILARITY: Belongs to the proteasome subunit S14 family. SUMMARY: The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This protein is a non-ATPase subunit of the 19S regulator. A pseudogene has been identified on chromosome 1. **Cat.No. XW-7966 26S proteasome non-ATPase regulatory subunit 8 IgY

TESTED APPLICATION:
WB

SPECIES REACTIVITY:
H,M,R

CLONALITY:
Polyclonal

HOST:
Chicken

IMMUNOGEN:
1-257

PROTEIN GI #:
4506233

PROTEIN ACCESSION #:
NP_002803.1

PURIFICATION:
Immunoaffinity Purified

BUFFER:
Phosphate-Buffered Saline. No preservatives added.

APPLICATION:
26S proteasome non-ATPase regulatory subunit 8 IgY antibody can be used for the detection of 26S proteasome non-ATPase regulatory subunit 8 by Western Blot.

www.prosci-inc.com

12170 Flint Place
Poway, CA 92064
Tel: 858-513-2638
Fax: 858-513-2692
Toll Free: 888-513-9525
techsupport@prosci-inc.com

E coli-derived fusion protein as test antigen. Affinity-purified IgY dilution: 1:2000, Goat anti-IgY-HRP dilution: 1:1000. Colorimetric method for signal development.

STORAGE:

This antibody can be stored at 4ºC for short term (weeks). Long term storage should be at -20ºC. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

USER NOTES:

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.