

PSMD14/POH1 Polyclonal Antibody

Catalog number: 12059-1-AP

Size: 20 µg/150 µl

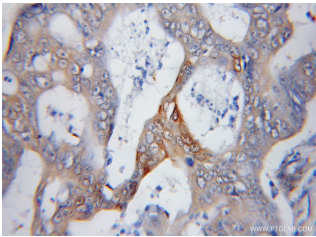
Source: Rabbit

Isotype: IgG

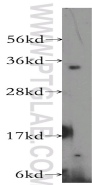
Synonyms:

PSMD14; PAD1, POH1,

PSMD14, rpn11



Immunohistochemical of paraffin-embedded human colon cancer using 12059-1-AP(PSMD14 antibody) at dilution of 1:50 (under 10x lens)



human heart tissue were subjected to SDS PAGE followed by western blot with 12059-1-AP(PSMD14 antibody) at dilution of 1:400

Background

The PSMD14 (POH1, also known as Rpn11/MPR1/S13/CepP1) protein is a metalloprotease component of the 26S proteasome that specifically cleaves 'Lys-63'-linked polyubiquitin chains. The 26S proteasome is involved in the ATP-dependent degradation of ubiquitinated proteins. PSMD14 is highly expressed in heart and skeletal muscle. In carcinoma cell lines, down-regulation of PSMD14 by siRNA transfection had a considerable impact on cell viability causing cell arrest in the G0-G1 phase, ultimately leading to senescence.

Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	IF, IHC, WB
Species specificity:	Human; other species not tested.
Cited species:	Human
Calculated PSMD14/POH1 MW:	35 kDa
Observed PSMD14/POH1 MW:	35 kDa
Positive WB detected in	Human heart tissue, human brain tissue, mouse skeletal muscle tissue
Positive IHC detected in	Human colon cancer tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2694
GenBank accession number:	BC009524
Gene ID (NCBI):	10213
Full name:	Proteasome (prosome, macropain) 26S subunit, non-ATPase, 14

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.