

Rabbit PA28 alpha Polyclonal Antibody | anti-PA28alpha antibody

Rabbit anti-PA28 alpha Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA222892	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

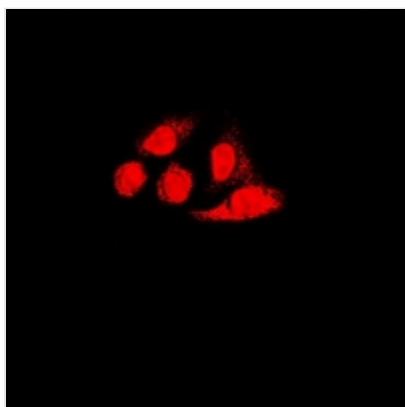
PRODUCT SYNONYMS

PA28 alpha; Polyclonal Antibody; Rabbit anti-PA28 alpha Antibody; IFI5111; Proteasome activator complex subunit 1; 11S regulator complex subunit alpha; REG-alpha; Activator of multicatalytic protease subunit 1; Interferon gamma up-regulated I-5111 protein; IGUP I-5111; Proteasome activator 28 subunit alpha; PA28a; PA28alpha; anti-PA28alpha antibody

PRODUCT SPECIFICATIONS

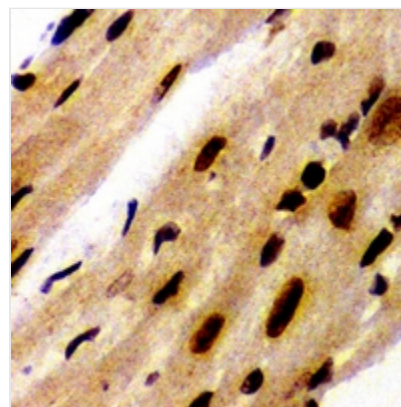
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-PA28alpha antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant full length protein of human PA28 alpha
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.

IMAGES



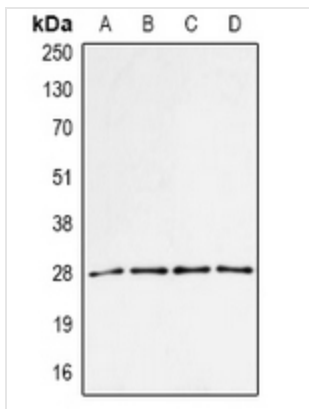
IF (Immunofluorescence)

Immunofluorescent analysis of PA28 alpha staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



IHC (Immunohistochemistry)

Immunohistochemical analysis of PA28 alpha staining in mouse heart formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of PA28 alpha expression in MCF7 (A), BT474 (B), mouse spleen (C), mouse liver (D) whole cell lysates.

ADDITIONAL INFORMATION

Product Categories/Family for anti-PA28alpha antibody	Primary antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	528078353
NCBI GeneID	5720
NCBI Accession #	NP_001268457.1
NCBI GenBank Nucleotide #	NM_001281528.1
UniProt Accession #	Q06323; P97371; Q63797
Molecular Weight	26,870 Da
NCBI Official Full Name	proteasome activator complex subunit 1 isoform 3
NCBI Official Synonym Full Names	proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)
NCBI Official Symbol	PSME1
NCBI Official Synonym Symbols	PA28A; IFI5111; REGalpha; PA28alpha
NCBI Protein Information	proteasome activator complex subunit 1; 11S regulator complex subunit alpha; 29-kD MCP activator subunit; IGUP I-5111; activator of multicatalytic protease subunit 1; interferon gamma up-regulated I-5111 protein; interferon-gamma IEF SSP 5111; interferon-
UniProt Protein Name	Proteasome activator complex subunit 1
UniProt Gene Name	PSME1
UniProt Synonym Gene Names	IFI5111; REG-alpha; IGUP I-5111; PA28a; PA28alpha
UniProt Entry Name	PSME1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.