PA28 Gamma Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0983
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant human PA28γ protein fragments expressed in E.coli.
Mol wt	N/A
Species reactivity	Human,Mouse,Dog,Pig
Clonality	Monoclonal
Recommended application	WB, IF, ICC
Concentration	1 mg/ml
Full name	Proteasome activator complex subunit 3
Synonyms	PSME3; Proteasome activator complex subunit 3; 11S regulator complex subunit gamma; REG-gamma; Activator of multicatalytic protease subunit 3; Ki nuclear autoantigen; Proteasome activator 28 subunit gamma; PA28g; PA28gamma

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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. The immunoproteasome contains an alternate regulator, referred to as the 11S regulator or PA28, that replaces the 19S regulator. Three subunits (alpha, beta and gamma) o
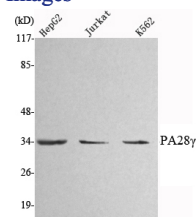
Recommended Dilution

IF: 1:100 - 1:500

WB: 1:1000 - 1:2000

Not yet tested in other applications.

Images

Western Blot analysis using PA28Gamma Monoclonal antibody against HepG2. Jurkat, K562 cell lysate.

Storage

-20°C for one year