

Anti-Proteasome 20S alpha 3 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse,Chicken,Dog,Pig,Horse,Rabbit)
Molecular Weight:	Theoretical: 28 kDa. Actual: 32 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: A431 (Human) Cell Lysate at 30 µg MCF-7 (Human) Cell Lysate at 30 µg HL60 (Human) Cell Lysate at 30 µg Primary: Anti-Proteasome 20S alpha 3 (TMAB-11801) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 28 kD Observed band size: 28 kD
	2. Sample: Lane 1: Rat liver tissue lysates Lane 2: Human Mcf-7 cell lysates Lane 3: Human 293t cell lysates Lane 4: Human Hepg2 cell lysates Primary: Anti-PSMA3 (Proteasome 20S alpha 3) (TMAB-11801) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 28 kDa Observed band size: 32 kDa
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Proteasome 20S alpha 3
Antigen Species:	Human
Gene ID:	5684
Uniprot ID:	P25788

Research Background

The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-

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dependent proteolytic activity. Binds to the C-terminus of CDKN1A and thereby mediates its degradation. Negatively regulates the membrane trafficking of the cell-surface thromboxane A2 receptor (TBXA2R) isoform 2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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