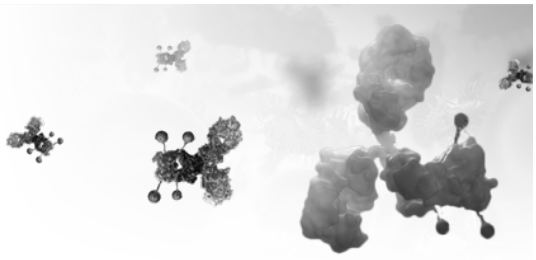

Rabbit Anti-Human PSME3 monoclonal antibody, clone 30I0M20 (CABT-L1553)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with canine, chicken, equine, orangutan, Xenopus and zebrafish based on sequence homology.
Target	PSME3
Immunogen	A peptide corresponding to amino acids 7-20 of P61289.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	30I0M20
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	FC, ICC, IHC-P, IF, WB
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS
Preservative	0.09% Sodium Azide
Storage	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

BACKGROUND

Introduction	PA28 alpha and PA28 beta are located primarily in the cytoplasm, whereas PA28 gamma is located in the nucleus. PA28 binds to the outer rings on both ends of the 20S proteasome to form a football-like structure. Binding of PA28 greatly stimulates multiple peptidase activities of the 20S proteasome in an ATP-independent reaction, but lacks the ability to degrade large protein substrates, suggesting that PA28 may cooperate with the 26 S proteasome in a sequential proteolytic pathway. In addition to its nuclear localization, PA28 gamma differs from PA28 alpha and PA28 beta in that it is not responsive to stimulation with IFN- gamma. Experiments with mice lacking the PA28 gamma gene core protein, which targets HCV for degradation, and with MEKK3, which phosphorylates PA28 gamma and increases its cellular levels. PA28 gamma also acts to increase resistance to apoptosis by promoting MDM2-mediated degradation of p53.
Keywords	PSME3;proteasome (prosome, macropain) activator subunit 3 (PA28 gamma;Ki);proteasome activator complex subunit 3;Ki;PA28 gamma;PA28G;REG GAMMA;PA28gamma;Ki antigen

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