

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## PROTEASOME ALPHA 6 RABBIT MAB

Cat.#: N262767

**Product Name:** Anti-Proteasome alpha 6 Rabbit Monoclonal Antibody **Synonyms:** proteasome subunit alpha 6; IOTA; p27K; PROS27 **UNIPROT ID:** P60900

**Background:** The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure 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. 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. This gene encodes a member of the peptidase TIA family, that is a 20S core alpha subunit. Multiple transcript variants encoding several different isoforms have been found for this gene. A pseudogene has been identified on the Y chromosome. [provided by RefSeq, Aug 2013]

**Immunogen:** A synthetic peptide of human Proteasome subunit alpha type 6

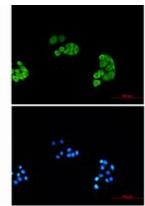
Applications: WB,ICC/IF Recommended Dilutions: WB: 1/500-1/1000 IF: 1/50-1/200 Host Species: Rabbit Clonality: Rabbit Monoclonal Clone ID: R01-412 MW: Calculated MW: 27 kDa; Observed MW: 27 kDa Isotype: IgG Purification: Affinity Purified Species Reactivity: Human,Mouse,Rat Conjugation: Unconjugated Modification: Unmodified Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide Research Areas: Cell Biology

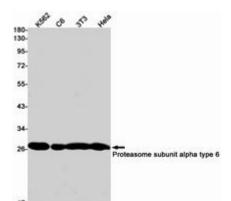
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



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Immunocytochemistry analysis of Proteasome subunit alpha type 6 (green) in Hela using Proteasome subunit alpha type 6 antibody,and DAPI(blue)

Western blot analysis of Proteasome subunit alpha type 6 in K562, C6, 3T3, Hela lysates using Proteasome alpha 6 antibody.