**Rabbit anti-human Beta-2-microglobulin polyclonal Antibody**

**Catalog Number:** **CSB-PA002486YA01HU**

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| **Synonym Names** | B2M,CDABP0092, HDCMA22P |
| **Product type** | Primary antibodies |
| **Description** | Rabbit polyclonal to B2M |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Reacts with** | Human,Mouse;Other species are not tested. Please decide the specificity by homology. |
| **Conjugate** | non-conjugated |
| **Purity** | Caprylic Acid Ammonium Sulfate Precipitation purified |
| **Storage buffer** | Preservative: 0.03% Proclin 300  Constituents: 50% Glycerol, 20mM NaHCO3 PH 7.4 |
| **Storage** | Shipped at 4°C Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze. |
| **Form** | Liquid |
| **Raised in** | Rabbit |
| **Tested applications** | ELISA: Use at an assay dependent dilution.  WB: 1:500-1:5000 (Recommender dilutions) |
| **Positive WB detected in** | A431 whole cell lysate, mouse lungs tissue |
|  | Western blot  All lanes:Beta-2-microglobulin antibody at 2ug/ml  Lane 1: A431 whole cell lysate Lane 2 :mouse lungs tissue  Secondary  Goat polyclonal to Rabbit IgG at 1/10000 dilution  Predicted band size:12KDa  Observed band size:12KDa |
| **Function** | Component of the class I major histocompatibility complex (MHC). Involved in the presentation of peptide antigens to the immune system. |
| **References** | [1] "Familial hypercatabolic hypoproteinemia caused by deficiency of the neonatal Fc receptor, FcRn, due to a mutant beta2-microglobulin gene."Wani M.A., Haynes L.D., Kim J., Bronson C.L., Chaudhury C., Mohanty S., Waldmann T.A., Robinson J.M., Anderson C.L.Proc. Natl. Acad. Sci. U.S.A. 103:5084-5089(2006).  [2] "Human beta-2 microglobulin W60V mutant structure: Implications for stability and amyloid aggregation."Ricagno S., Raimondi S., Giorgetti S., Bellotti V., Bolognesi M.Biochem. Biophys. Res. Commun. 380:543-547(2009).  [3] "The controlling roles of Trp60 and Trp95 in beta2-microglobulin function, folding and amyloid aggregation properties."Esposito G., Ricagno S., Corazza A., Rennella E., Guemral D., Mimmi M.C., Betto E., Pucillo C.E., Fogolari F., Viglino P., Raimondi S., Giorgetti S., Bolognesi B., Merlini G., Stoppini M., Bolognesi M., Bellotti V.  J. Mol. Biol. 378:887-897(2008). |