

Mouse Monoclonal Antibody to CSNK2A2

Catalogue Number sAP-0755

Target Molecule **Name:** CSNK2A2

Aliases: CK2A2; CSNK2A1; FLJ43934

MW: 41.2kDa

Entrez Gene ID: 1459

Description Casein kinase II (CK2) is a constitutively active, ubiquitously expressed serine/threonine protein kinase that is thought to have a regulatory function in cell proliferation, cell differentiation and apoptosis. CK2 functions as a tetrameric complex consisting of two regulatory beta-subunits and two catalytic units (alpha and alpha') in a homomeric or heteromeric conformation. Whilst the alpha- and alpha'-subunits are catalytically identical, proteins that regulate CK2, such as cdc2 and Hsp90, preferentially bind to the alpha and not the alpha'-subunit. CK2 can phosphorylate a number of key intracellular signaling proteins implicated in tumor suppression (p53 and PTEN) and tumorigenesis (myc, jun, NF-kappaB). CK2 is also thought to influence Wnt signaling via beta-catenin phosphorylation and the PI 3-K signaling pathway via the phosphorylation of

Immunogen Purified recombinant fragment of human CSNK2A2 (AA: 194-350) expressed in E. Coli.

Reactive Species Human; Mouse;

Clone MM1E1;

Size and Concentration 100µg/1mg/ml

Supplied as Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.

Reconstitution/Storages Reconstituted with 100µl sterile DI H₂O, at stored at 4°C or -20°C for short or long term storage

Applications ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; FCM: 1 to 200 - 1 to 400

Shipping Regular FEDEX overnight shipment (ambient temperature)

Reference 1.Eur J Immunol. 2009 Jan;39(1):267-79. 2.Cell Mol Life Sci. 2009 Jan;66(2):339-49.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**