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Anti-Smad3L (S213 Phosphorylated) (5A11) Mouse IgG MoAb

单克隆抗体

产品货号: MA01592

第三版

免疫原: Synthetic peptide of phosphorylated Smad3L (S213).

亚型: IgG1

克隆: 5A11

描述: Phosphorylation of signal transduction molecules Smad3, can be an important information for understanding of various biological functions of transforming growth factor (TGF)- β . TGF- β type I receptor and mitogen activated protein kinase (MAPK) phosphorylate Smad3 at the C-terminals and at linker (middle) regions respectively (ref. 1, 2). Mitogenic signaling induced by HGF, EGF and inflammatory cytokines is mediated by Smad3 phosphoisoform phosphorylated serine located in linker region (ref. 3). This monoclonal antibody against for Smad3L (S213) recognizes the part of phosphorylated serine (Ser213) located in linker region of Smad3 specifically. It can be used for western blotting, immunoprecipitation and immunohistochemistry. It is applicable for enzyme biochemical analysis of Smad3 signaling and makes it possible to visualize the intermolecular reaction of phosphorylated Smad3 signaling in human tissues and monitor them in real-time. Thus, analysis of Smad3 signaling with this antibody is expected to be widely applied to cancer serearch (ref. 3) and fibrosis research (ref. 4), and to contribute to understanding the wide variety of life phenomina mediated by phosphoisoforms of Smad3.

配方: Lyophilized product in PBS containing 1 % BSA and 0.05 % NaN₃

浓度: Please see datasheet.

保存: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.

应用: ELISA, WB, ICC/IF