Daple Anti-Human Rabbit IgG Affinity Purify

Polyclonal Antibody

Cat.NO.: PA01123

3th Edition

Description: Classical (?-catenin dependent) and non-classical (?-catenin non-dependent) Wnt signal pathway are signal pathways that regulate forming and maintaining of embryonic growth or cell structures of organs and amplifying of cells. It is also involved in various diseases including cancers. Especially, it has been well known that the non-classical Wnt signal pathway regulates polarity determination of tissues and migration of cells. It has been revealed that scaffold molecule “Dishevelled (Dvl)” and low molecular weight GTPase “Rho molecular group (Rac, Rho)” that activates downstream have essential roles in this pathway. Daple is a molecule that was identified by A. Kikuchi et al, Osaka University and it shows that it has a homological sequence with Girdin or Gipie. It is suggested that Daple binds to Dvl and controls activation of Rac depended on Wnt5a stimulus via its mutual interaction. It was discovered that Daple is essential for cell migration and restructuring of actin structure and its molecular mechanism has also an important role for healing of wound of skin by Daple knockout mouse analysis.

Antigen: Synthetic peptide of Daple (EPGGDPQTVWYEYG).

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

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: Cross-react with Human Daple.