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phospho-Connexin 40 antibody

Catalog Number: PR-1256P

Background: Vascular smooth muscle connexin-40 is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. The encoded protein is the major protein of gap junctions in the heart that are thought to have a crucial role in the synchronized contraction of the heart and in embryonic development. Mutations in this gene have been associated with oculodentodigital dysplasia and heart malformations.

Description: Rabbit polyclonal to phospho-Connexin 40

Immunogen: KLH conjugated synthetic phosphopeptide derived from Mouse Connexin 40.

Specificity: Recognizes phospho-Connexin 40 of Mouse and Rat in Western blot and immunohistochemical staining.

Isotype: Rabbit IgG

Quantity: 0.1ml (1mg/ml)

Formulation: 1% BSA, 0.01M phosphate-buffered saline, pH 7.4, 0.05% NaN₃.

Purity: Affinity chromatography purification by Protein A Column.

Application:

- Western blotting: 1/200-500. Predicted Mol wt: 40 kDa;
- Immunohistochemistry in formalin fixed frozen section: 1:50-200;
- Immunohistochemistry in paraffin section: 1:100-200;
- Immunocytochemistry/Immunofluorescence: 1/100;
- ELISA: 1/500;
- Optimal working dilutions must be determined by the end user.

Antigen Retrieval of Tissue: The paraffin section in 10mM citrate buffer, pH 6.0, for 10~15mins is required the staining of paraffin sections.

Storage: Store at -20 °C for one year. Lyophilized antibody is stable at room temperature for at least two month and for greater than a year when kept at -20°C to -70°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody, the antibody is stable for at least six weeks at 2-8 °C. Avoid repeated freeze/thaw cycles.

Important Note: Gently centrifuge microtube to remove liquid or powder product from lid. This product as supplied is intended for in vitro laboratory use only, not for use in human, therapeutic or diagnostic applications.