Title (en)

REAGENTS FOR THE DETECTION OF PROTEIN PHOSPHORYLATION IN CARCINOMA SIGNALING PATHWAYS

Title (de)

REAGENTIEN ZUM NACHWEIS VON PROTEINPHOSPHORYLIERUNG IN KARZINOM-SIGNALWEGEN

Title (fr)

RÉACTIFS DE DÉTECTION DE PHOSPHORYLATION DE PROTÉINES DANS LA VOIE DE SIGNALISATION DE CARCINOME

Publication

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Application

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Abstract (en)

[origin: WO2006113050A2] The invention discloses (214) novel phosphorylation sites identified in signal transduction proteins and pathways underlying human carcinoma, and provides phosphorylation-site specific antibodies and heavy-isotope labeled peptides (AQUA peptides) for the selective detection and quantification of these phosphorylated sites/proteins, as well as methods of using the reagents for such purpose. Among the phosphorylation sites identified are sites occurring in the following protein types: Adaptor/Scaffold proteins, Cytoskeleton proteins, GTP Signaling proteins, Kinases, Metabolism proteins, Phosphatases/Phospho- diesterases/ Proteases, Receptor proteins, RNA Processing proteins, Transcription proteins, Translation proteins, Transporter proteins, and Ubitquitin proteins, as well as other protein types.

IPC 8 full level

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