

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)

REACTIFS DE DETECTION DE PHOSPHORYLATION PROTEINIQUE DANS DES VOIES DE SIGNALISATION DE CARCINOME

Publication

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Application

EP 06814000 A 20060831

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Abstract (en)

[origin: WO2007027867A2] The invention discloses nearly 474 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: Kinase, Adaptor/Scaffold proteins, Phosphatase, G protein Regulator/Guanine Nucleotide Exchange Factors/GTPase Activating Proteins, Cytoskeleton Proteins, DNA Binding Proteins, Phospholipase, Receptor Proteins, Enzymes, DNA Repair/Replication Proteins, Adhesion Proteins, and Proteases , as well as other protein types.

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Cited by

US9433675B2; US10022444B2; US10813996B2; US10093736B2; US10137195B2; US11395852B2; US9770487B2; US10314890B2; US10946069B2; US11826402B2

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