

Title (en)

METHODS FOR MEASURING KINASE ACTIVITY

Title (de)

VERFAHREN ZUM MESSEN DER KINASEAKTIVITÄT

Title (fr)

PROCEDES DE MESURE DE L'ACTIVITE D'UNE KINASE

Publication

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Application

EP 07717310 A 20070118

Priority

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Abstract (en)

[origin: WO2007084968A1] The present invention relates to methods for detecting and/or measuring the activity of a specific kinase, with the methods comprising contacting one or more kinases with a binding agent to isolate a specific kinase of interest. The isolated kinase is then contacted with a kinase activity sensor, where the kinase activity sensor is comprised of a kinase recognition motif that is capable of being recognized by the isolated kinase, and at least one phosphorylation site. The isolated kinase phosphorylates the amino acid target of the kinase activity sensor and levels of the phosphorylated target amino acid can then be quantified.

IPC 8 full level

C12Q 1/68 (2006.01)

CPC (source: EP)

C12Q 1/485 (2013.01); **G01N 33/573** (2013.01)

Citation (search report)

- [X] WO 2005047901 A2 20050526 - MOLECULAR PROBES INC [US], et al
- [A] WO 0131338 A1 20010503 - PHARMACOPEDIA INC [US], et al
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- [A] INAMORI KAZUKI ET AL: "Detection and quantification of on-chip phosphorylated peptides by surface plasmon resonance imaging techniques using a phosphate capture molecule", ANALYTICAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. COLUMBUS, US, vol. 77, no. 13, 1 July 2005 (2005-07-01), pages 3979 - 3985, XP002469341, ISSN: 0003-2700
- See references of WO 2007084968A1

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