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DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
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KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD,
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NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD,
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EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
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— of inventorship (Rule 4.17(iv))

Published:

— with international search report (Art. 21(3))

— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

— with sequence listing part of description (Rule 5.2(a))

(88) Date of publication of the international search report:

9 September 2011

(54) Title: COMPOSITIONS AND METHODS FOR DETECTING A TAUOPATHY

(57) Abstract: The invention provides antibodies that specifically bind human tau proteins and compositions containing the anti-
bodies. Further provided are methods for obtaining the antibody, methods for detecting a tauopathy in a subject and methods for
detecting an agent for treating a tauopathy in a subject.



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A. CLASSIFICATION OF SUBJECT MATTER*C07K 16/18(2006.01)i, C12N 5/16(2006.01)i, G01N 33/53(2006.01)i, G01N 33/68(2006.01)i, A61K 39/395(2006.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C07K 16/18; C07K 16/28; C12P 21/08; G01N 33/537; C07K 16/00; G01N 33/53; C07K 16/40; G01N 33/531

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords:antibody, tau protein, Ser238, Thr245, phosphorylation, tauopathy

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003-0143760 A1 (VANDERMEEREN et al.) 31 July 2003 See abstract, claims, pp.1,3	1-5,8
Y	Reynolds et al., 'Phosphorylation Sites on Tau Identified by Nanoelectrospray Mass Spectrometry: Differences In Vitro Between the Mitogen-Activated Protein Kinases ERK2, c-Jun N-Terminal Kinase and P38, and Glycogen Synthase Kinase-3beta', The Journal of Neurochemistry, vol.72, no.4, pp.1587-1595, 2000 See whole document	1-5,8
Y	US 2006-0008853 A1 (MERCKEN et al.) 12 January 2006 See abstract, claims, pp.1,2	1-5,8
Y	US 06121003 A (VANMECHELEN et al.) 19 September 2000 See abstract, claims, columns 3-8	1-5,8
A	US 6500674 B1 (VANDERMEEREN et al.) 31 December 2002 See abstract, claims	1-5,8
A	US 2007-0134724 A1 (DAVIES et al.) 14 June 2007 See abstract, claims	1-5,8



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

18 JULY 2011 (18.07.2011)

Date of mailing of the international search report

19 JULY 2011 (19.07.2011)

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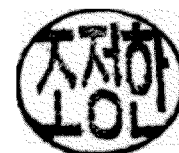
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2010/054026**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 6,7
because they relate to subject matter not required to be searched by this Authority, namely:
The claims 6 and 7 pertain to methods for diagnosing human diseases or treating the human body by therapy thus relate to a subject matter which this ISA is not required to search under the PCT Art. 17(2)(a)(i) and Rule 39.1(iv) of the Regulations under the PCT.
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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Information on patent family members

International application No.

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