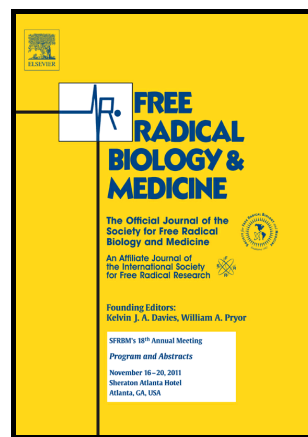


ALK3 undergoes ligand-independent
homodimerization and BMP-induced
heterodimerization with ALK2

Lisa Traeger, Inka Gallitz, Rohit Sekhri, Baumer
Nicole Bäumer, Tanja Kuhlmann, Claudia
Kemming, Michael Holtkamp, Muller Jennifer-
Christin Müller, Uwe Karst, Francois Canonne-
Hergaux, Martina U. Muckenthaler, Donald B.
Bloch, Andrea Olschewski, Thomas B. Bartnikas,
Andrea U. Steinbicker



PII: S0891-5849(18)31608-3
DOI: <https://doi.org/10.1016/j.freeradbiomed.2018.09.021>
Reference: FRB13923

To appear in: *Free Radical Biology and Medicine*

Received date: 11 January 2018
Revised date: 9 September 2018
Accepted date: 14 September 2018

Cite this article as: Lisa Traeger, Inka Gallitz, Rohit Sekhri, Baumer Nicole Bäumer, Tanja Kuhlmann, Claudia Kemming, Michael Holtkamp, Muller Jennifer-Christin Müller, Uwe Karst, Francois Canonne-Hergaux, Martina U. Muckenthaler, Donald B. Bloch, Andrea Olschewski, Thomas B. Bartnikas and Andrea U. Steinbicker, ALK3 undergoes ligand-independent homodimerization and BMP-induced heterodimerization with ALK2, *Free Radical Biology and Medicine*, <https://doi.org/10.1016/j.freeradbiomed.2018.09.021>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ALK3 undergoes ligand-independent homodimerization and BMP-induced heterodimerization with ALK2

Lisa Traeger^{a1}, Inka Gallitz^{a1}, Rohit Sekhri^a, Nicole Bäumer^b, Tanja Kuhlmann^c, Claudia Kemming^c, Michael Holtkamp^d, Jennifer-Christin Müller^d, Uwe Karst^d, Francois Canonne-Hergaux^e, Martina U. Muckenthaler^{f,g}, Donald B. Bloch^h, Andrea Olschewski^{i,j}, Thomas B. Bartnikas^k and Andrea U. Steinbicker^{a*}

^aDepartment of Anesthesiology, Intensive Care and Pain Medicine, University Hospital Muenster, University of Muenster, Muenster, Germany;

^bDepartment of Medicine A, Molecular Hematology and Oncology, University Hospital Muenster, University of Muenster, Muenster, Germany;

^cInstitute of Neuropathology, University Hospital Muenster, University of Muenster, Muenster, Germany;

^dInstitute of Inorganic and Analytical Chemistry, University of Muenster, Muenster, Germany;

^eINSERM UMR 1043, Centre de Physiopathologie de Toulouse Purpan (CTPT), Toulouse, France;

^fDepartment of Pediatric Oncology, Hematology and Immunology, University of Heidelberg, Heidelberg, Germany;

^gMolecular Medicine Partnership Unit (MMPU), Heidelberg, Germany;

^hAnaesthesia Center for Critical Care Research, Department of Anesthesia, Critical Care and Pain Medicine, and the Division of Rheumatology, Allergy and Immunology, Department of Medicine, Massachusetts General Hospital and Harvard Medical School, Boston, MA, USA;

ⁱInstitute of Physiology, Medical University of Graz, Graz, Austria;

^jLudwig Boltzmann Institute for Lung Vascular Research, Graz, Austria;

^kDepartment of Pathology and Laboratory Medicine, Brown University, Providence, Rhode Island, USA

l_trae02@uni-muenster.de,

gallitzi@uni-muenster.de,

r_sekh01@uni-muenster.de,

nbaeumer@uni-muenster.de,

tanja.kuhlmann@ukmuenster.de,

Claudia.kemming@ukmuenster.de,

¹ IG and LT contributed equally to the manuscript

Download English Version:

<https://daneshyari.com/en/article/11029416>

Download Persian Version:

<https://daneshyari.com/article/11029416>

[Daneshyari.com](https://daneshyari.com)