
Anti-Ron α

Cat #: HM1325
Rabbit polyclonal IgG
0.2 $\mu\text{g}/\mu\text{l}$, store at 4 °C

For research use only

BACKGROUND

The Met proto-oncogene product is the hepatocyte growth factor receptor and encodes tyrosine-kinase activity. It is characterized by a heterodimeric structure and a cysteine-rich extracellular domain. Ron α is a second member of this receptor tyrosine kinases. The intracellular PTK domains of Ron α and Met are highly similar (63% sequence identity) while the extracellular domains are less related (25% sequence identity) and both are rich in cysteine residues. Ron is activated by macrophage stimulating protein. Its activity and expression is associated with innate immune response function, hematopoiesis, inflammation and oncogenesis.

SPECIFICITY

This antibody specifically reacts with Ron of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

IMMUNOGEN

A synthetic peptide derived from N-terminus of human Ron protein.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

1. Bottaro, D.P., Rubin, J.S., Falletto, D.L., Chan, A.M., Kmiecik, T.E., Van de Woude, G.F., and Aaronson, S.A. 1991. Identification of the hepatocyte growth factor receptor as the c-met proto-oncogene product. *Science* 251: 802-804.
2. Ronsin, C., Muscatelli, F., Mattei, M., and Breathnach, R. 1993. A novel putative receptor protein tyrosine kinase of the met family. *Oncogene* 8: 1195-1202.
3. Gaudino, G., Follenzi, A., Naldini, L., Collesi, C., Santoro, M., Gallo, K.A., Godowski, P.J. and Comoglio, P.M. (1994) RON is a heterodimeric tyrosine kinase receptor activated by the HGF homologue MSP. *EMBO J.* 13, 3524-3532.
4. Wang, M.H., Ronsin, C., Gesnel, M.C., Coupey, L., Skeel, A., Leonard, E.J. and Breathnach, R. (1994) Identification of the ron gene product as the receptor for the human macrophage stimulating protein. *Science* 266, 117-119.
5. Follenzi, A., Bakovic, S., Gual, P., Stella, M.C., Longati, P. and Comoglio, P.M. (2000) Cross-talk between the proto-oncogenes Met and Ron. *Oncogene* 19, 3041-3049.

6. Penengo, L., Rubin, C., Yarden, Y. and Gaudino, G. (2003) c-Cbl is a critical modulator of the Ron tyrosine kinase receptor. *Oncogene* 22, 3669-3679.
7. Maggiora, P., Lorenzato, A., Fracchioli, S., Costa, B., Castagnaro, M., Arisio, R., Katsaros, D., Massobrio, M., Comoglio, P.M. and Flavia Di Renzo, M. (2003) The RON and MET oncogenes are co-expressed in human ovarian carcinomas and cooperate in activating invasiveness. *Exp. Cell Res.* 288, 382-389.

PRODUCTS FROM HYPROMATRIX, INC.**A. AntibodyArray™s:**

1. Signal Transduction AntibodyArray™
Catalog Number HM3000
2. Apoptosis AntibodyArray™
Catalog Number HM4000
3. Cell Cycle AntibodyArray™
Catalog Number HM5000

B. Staining AntibodyArray™s

1. Staining AntibodyArray™ I
Catalog Number HM8100
2. AntibodyArray Staining Apparatus
Catalog Number HM8000

C. Antibodies**1. HRP-conjugated antibodies**

- anti-phosphotyrosine
Catalog Number HM2040
- anti-phosphoserine
Catalog Number HM2070
- anti-phosphothreonine
Catalog Number HM2090

and more...

2. Primary antibodies

Hypromatrix offers a variety of high quality antibodies. For a complete list of antibodies and their specificities, please visit our web site at www.hypromatrix.com.

CONTACT

Hypromatrix, Inc.
100 Barber Avenue
Worcester, MA 01606
USA

Tel: 508-856-7900
Fax: 508-302-0748
Email: contact@hypromatrix.com
Web: www.hypromatrix.com