

Recombinant RON Monoclonal Antibody

catalog number: AN302001L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

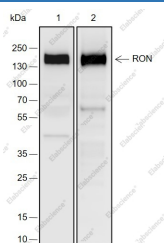
Reactivity	Human
Immunogen	Peptide. This information is proprietary to PTMab.
Host	Rabbit
Isotype	Rabbit IgG
Clone	C331622
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:2000-1:5000
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Data



Western Blot with RON Monoclonal Antibody at dilution of

1:5000. Lane 1: SW480, Lane 2: HT-29

Observed-MW:150,175 kDa

Calculated-MW:152 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Ron is a member of the Met protooncogene family of receptor tyrosine kinases, which also includes Stk, c-Met, and c-Sea. The functional Ron is a heterodimer composed of a 40 kDa α chain and a 150 kDa β chain. Ron is initially synthesized in the cells as a single-chain, pro Ron precursor that is cleaved into the two active chains. The α chain is completely extracellular, whereas the β chain traverses the cell membrane and contains the intracellular tyrosine kinase and regulatory elements. Ron mediates multiple signaling cascades that involve cell motility, adhesion, proliferation, and apoptosis. The signaling pathways activated downstream of Ron include the ras/mitogen-activated protein kinase (MAPK), phosphatidylinositol-3 kinase (PI3K)/Akt, and focal adhesion kinase (FAK) pathways. Ron activation can also significantly increase c-Src activity, a signaling intermediate involved in cell cycle progression, motility, angiogenesis and survival. The function of Ron has been shown to be important for embryological development as well as implicated in the progression and metastasis of tumors.

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