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DDR2 Antibody
Rabbit mAb
Catalog # AP91424

Specification

DDR2 Antibody - Product Information

Application	**WB**
Primary Accession	Q16832
Reactivity	**Rat**
Clonality	**Monoclonal**
Other Names	
CD167b; NTRKR3; Receptor related 3; TKT;	
Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**96736 Da**

DDR2 Antibody - Additional Information

Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human DDR2**
Description	**This tyrosine kinase receptor for fibrillar collagen mediates fibroblast migration and proliferation. Contributes to cutaneous wound healing.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

DDR2 Antibody - Protein Information

Name DDR2

Synonyms NTRKR3, TKT, TYRO10

Function
Tyrosine kinase involved in the regulation of tissues remodeling (PubMed:30449416). It functions as a cell surface receptor for fibrillar collagen and regulates cell differentiation, remodeling of the extracellular matrix, cell migration and cell proliferation. Required for normal bone development. Regulates osteoblast differentiation and chondrocyte maturation via a signaling pathway that involves MAP kinases and leads to the activation of the transcription factor RUNX2. Regulates remodeling of the extracellular matrix by up- regulation of the collagenases MMP1, MMP2 and MMP13, and thereby facilitates cell migration and tumor cell invasion. Promotes fibroblast migration and proliferation, and thereby contributes to cutaneous wound healing.

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Cellular Location
Cell membrane; Single-pass type I membrane protein

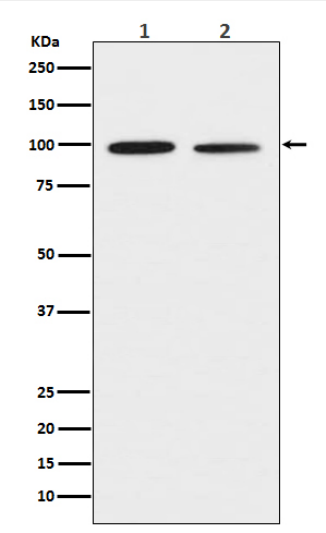
Tissue Location
Detected in osteocytes, osteoblastic cells in subchondral bone, bone lining cells, tibia and cartilage (at protein level). Detected at high levels in heart and lung, and at low levels in brain, placenta, liver, skeletal muscle, pancreas, and kidney

DDR2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DDR2 Antibody - Images



Western blot analysis of DDR2 expression in (1) Jurkat cell lysate; (2) NIH/3T3 cell lysate.