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DDR2 Antibody

Rabbit mAb
Catalog # AP91424

Product Information

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

Additional Information

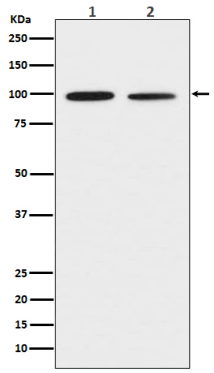
Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human DDR2
Description	This tyrosine kinase receptor for fibrillar collagen mediates fibroblast migration and proliferation. Contributes to cutaneous wound healing.
Storage Condition and Buffer	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.

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.
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

Images



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

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