

**Mouse Ddr2 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14616b****Specification**

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**Mouse Ddr2 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q62371](#)**Mouse Ddr2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 18214**Other Names**

Discoidin domain-containing receptor 2, Discoidin domain receptor 2, CD167 antigen-like family member B, Neurotrophic tyrosine kinase, receptor-related 3, Receptor protein-tyrosine kinase TKT, Tyrosine-protein kinase TYRO10, CD167b, Ddr2, Ntrkr3, Tkt, Tyro10

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Mouse Ddr2 Antibody (C-term) Blocking Peptide - Protein Information****Name** Ddr2**Synonyms** Ntrkr3, Tkt, Tyro10**Function**

Tyrosine kinase that 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**

Widely expressed. Detected in lung, ovary, skin and in testis Leydig cells (at protein level). Widely

expressed. Detected at high levels in heart, lung, skeletal muscle, central nervous system (CNS) and kidney, and at lower levels in brain and testis. Detected in chondrocytes in tibia growth plates of young mice

### **Mouse Ddr2 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **Mouse Ddr2 Antibody (C-term) Blocking Peptide - Images**

### **Mouse Ddr2 Antibody (C-term) Blocking Peptide - Background**

This tyrosine kinase receptor for fibrillar collagen mediates fibroblast migration and proliferation. Contributes to cutaneous wound healing.

### **Mouse Ddr2 Antibody (C-term) Blocking Peptide - References**

Xu, L., et al. Arthritis Rheum. 62(9):2736-2744(2010)Sivakumar, L., et al. Biomaterials 31(18):4802-4808(2010)Flynn, L.A., et al. J. Mol. Biol. 395(3):533-543(2010)Kano, K., et al. Mol. Reprod. Dev. 77(1):29-37(2010)Matsumura, H., et al. Physiol. Genomics 39(2):120-129(2009)