

**Mouse Ddr2 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5414****Specification**

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**Mouse Ddr2 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q62371</a>
Reactivity	Mouse
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	M=96;H=97 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**Mouse Ddr2 Antibody (Center) - Additional Information****Gene ID** 18214**Antigen Region**  
503-537**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

**Dilution**

WB~~1:1000

**Target/Specificity**

This Mouse Ddr2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 503-537 amino acids from the Central region of Mouse Ddr2.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Mouse Ddr2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Ddr2 Antibody (Center) - 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**

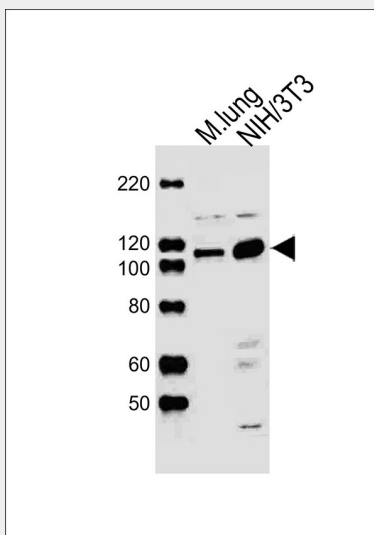
Widely expressed. Detected in lung, ovary, skin and in testis Leydig cells (at protein level). Widely expressed. Detected at high levels in heart, lung, skeletal muscle, central nervous system (CNS) and kidney, and at lower levels in brain and testis. Detected in chondrocytes in tibia growth plates of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

**Mouse Ddr2 Antibody (Center) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Mouse Ddr2 Antibody (Center) - Images**



All lanes : Anti-Ddr2 Antibody (Center) at 1:1000 dilution Lane 1: mouse lung lysates Lane 2: NIH/3T3 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 96 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

#### **Mouse Ddr2 Antibody (Center) - Background**

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#### **Mouse Ddr2 Antibody (Center) - References**

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