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Datasheet for ABIN4908649  
**anti-DDR2 antibody**

### Overview

Quantity:	100 µL
Target:	DDR2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DDR2 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	This DDR2 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 290-320 amino acids from human DDR2.
Clone:	3E5
Isotype:	IgG1
Cross-Reactivity:	Human
Purification:	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

### Target Details

Target:	DDR2
Alternative Name:	DDR2 ( <a href="#">DDR2 Products</a> )
Background:	Synonyms: TKT, MIG20a, NTRKR3, TYRO10, Discoidin domain-containing receptor 2, Discoidin

## Target Details

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domain receptor 2, CD167 antigen-like family member B, Discoidin domain-containing receptor tyrosine kinase 2, Neurotrophic tyrosine kinase, receptor-related 3, Receptor protein-tyrosine kinase TKT, Tyrosine-protein kinase TYRO10, CD167b, DDR2

Background: Tyrosine kinase that functions as 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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Gene ID: 4921

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UniProt: [Q16832](#)

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Pathways: [RTK Signaling](#)

## Application Details

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Application Notes: WB 1:300-5000

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 0.5 µg/µL

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Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: 4 °C,-20 °C

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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Expiry Date: 12 months