

Datasheet for ABIN755218  
**anti-DDR2 antibody (AA 245-350)**[Go to Product page](#)

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## Overview

Quantity:	100 µL
Target:	DDR2
Binding Specificity:	AA 245-350
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDR2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CD167b/DDR2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	DDR2
Alternative Name:	CD167b ( <a href="#">DDR2 Products</a> )

## Target Details

Background:	<p>Synonyms: TKT, MIG2a, NTRKR3, TYRO1, Discoidin domain-containing receptor 2, Discoidin 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 TYRO1, CD167b, DDR2</p> <p>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.</p>
Gene ID:	4921
UniProt:	<a href="#">Q16832</a>
Pathways:	<a href="#">RTK Signaling</a>

## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

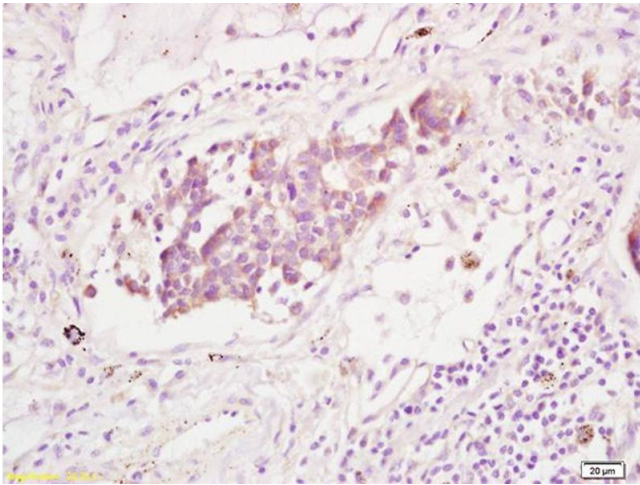
Handling

Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

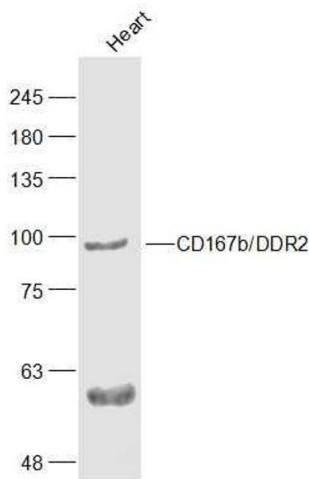
Product cited in:	<p>Zhu, Gillespie, Jackson: "NPY1-36 and PYY1-36 activate cardiac fibroblasts: an effect enhanced by genetic hypertension and inhibition of dipeptidyl peptidase 4." in: <b>American journal of physiology. Heart and circulatory physiology</b>, Vol. 309, Issue 9, pp. H1528-42, (2015) (<a href="#">PubMed</a>).</p> <p>Wang, Wang, Zhao, Li, Deng: "Angiotensin II upregulates K(Ca)3.1 channels and stimulates cell proliferation in rat cardiac fibroblasts." in: <b>Biochemical pharmacology</b>, Vol. 85, Issue 10, pp. 1486-94, (2013) (<a href="#">PubMed</a>).</p>
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Images



Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-CD167B/DDR2 Polyclonal Antibody, Unconjugated (ABIN755218) at 1:200 followed by conjugation to the secondary antibody and DAB staining



**Image 2.** Mouse Heart lysates probed with CD167b/DDR2 Polyclonal Antibody, Unconjugated at 1:500 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.