

Datasheet for ABIN7150025
anti-DDR2 antibody (AA 447-540)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	DDR2
Binding Specificity:	AA 447-540
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDR2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Discoidin domain-containing receptor 2 protein (447-540AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	DDR2
Alternative Name:	DDR2 (DDR2 Products)
Background:	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

Target Details

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.

Aliases: CD167 antigen-like family member B antibody, CD167b antibody, CD167b antigen antibody, Cell migration inducing protein 20 antibody, DDR 2 antibody, DDR2 antibody, DDR2_HUMAN antibody, Discoidin domain containing receptor 2 antibody, Discoidin domain receptor 2 antibody, Discoidin domain receptor family member 2 antibody, discoidin domain receptor tyrosine kinase 2 antibody, Discoidin domain-containing receptor 2 antibody, discoidin domain-containing receptor tyrosine kinase 2 antibody, Hydroxyaryl protein kinase antibody, MIG20a antibody, Migration inducing gene 16 protein antibody, Neurotrophic tyrosine kinase antibody, Neurotrophic tyrosine kinase receptor related 3 antibody, NTRKR 3 antibody, NTRKR3 antibody, Receptor protein tyrosine kinase TKT antibody, Receptor protein-tyrosine kinase TKT antibody, Receptor related 3 antibody, receptor-related 3 antibody, TKT antibody, TYRO 10 antibody, TYRO10 antibody, Tyrosine kinase receptor related to neurotrophic TRK antibody, Tyrosine protein kinase TYRO 10 antibody, Tyrosine protein kinase TYRO10 antibody, Tyrosine-protein kinase TYRO10 antibody, Tyrosylprotein kinase antibody

UniProt: [Q16832](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

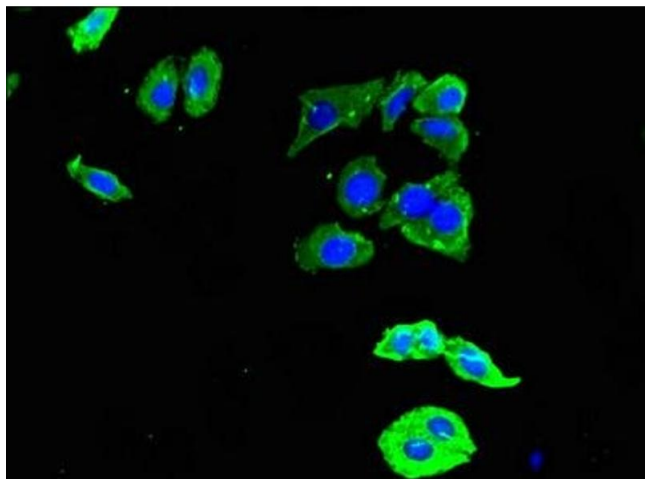
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C, -80 °C

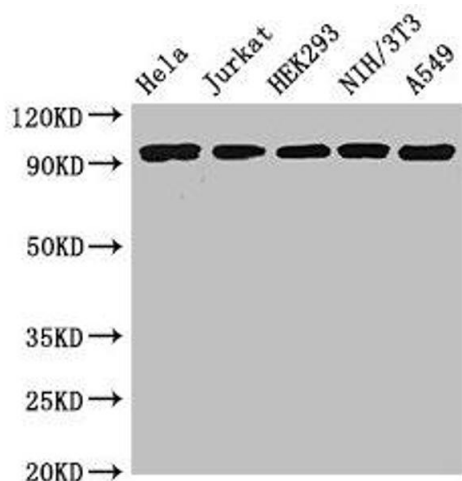
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



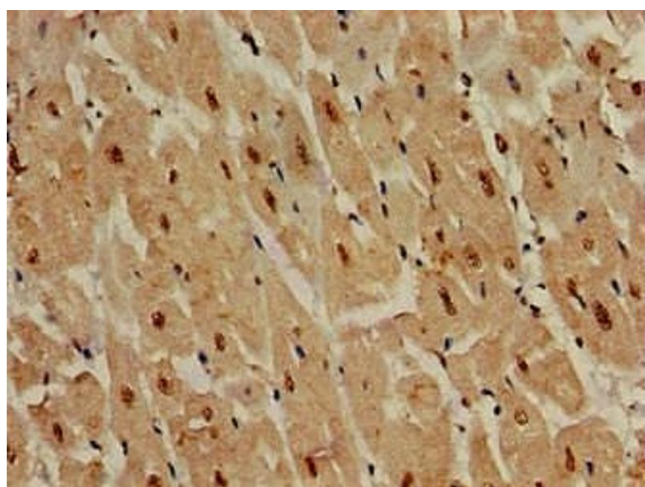
Immunofluorescence

Image 1. Immunofluorescent analysis of HepG2 cells using ABIN7150025 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Western Blotting

Image 2. Western Blot Positive WB detected in: HeLa whole cell lysate, Jurkat whole cell lysate, HEK293 whole cell lysate, NIH/3T3 whole cell lysate, A549 whole cell lysate All lanes: DDR2 antibody at 3.5 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 97 kDa Observed band size: 97 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human heart tissue using ABIN7150025 at dilution of 1:100