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Datasheet for ABIN3030741

anti-DDR2 antibody

5 Images

Overview

Quantity:	0.4 mL
Target:	DDR2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDR2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	This DDR2 antibody was produced from rabbits immunized with a his tag recombinant protein of human DDR2/TYRO10.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	DDR2
Alternative Name:	DDR2 (TYRO10) (DDR2 Products)
Background:	DDR2/TYRO10 is a 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

Target Details

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. [UniProt]

UniProt: [Q16832](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: Titration of the DDR2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50,Flow Cytometry: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

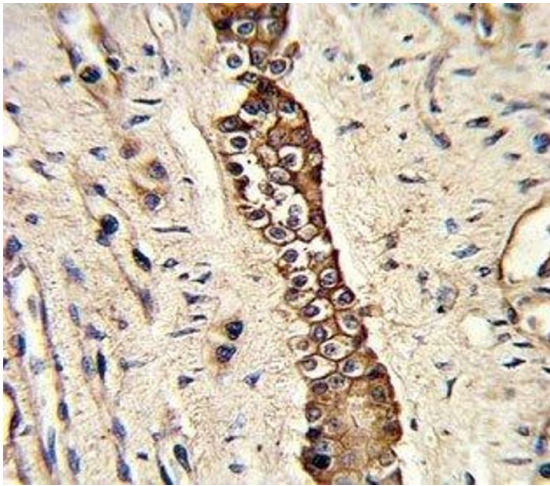
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

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

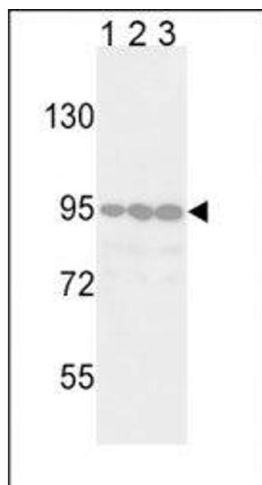
Storage: -20 °C

Storage Comment: Aliquot the DDR2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



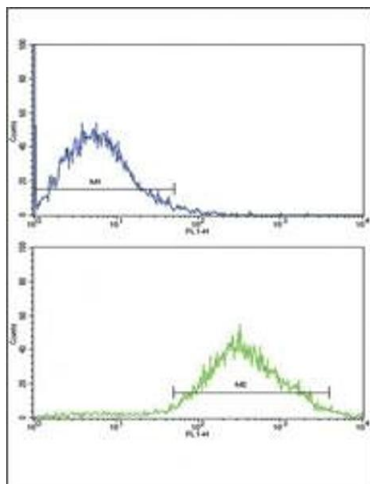
Immunohistochemistry

Image 1. IHC analysis of FFPE human normal lung with DDR2 antibody



Western Blotting

Image 2. Western blot analysis of DDR2 antibody in Jurkat (lane 1), 293 (2) and HeLa (3) lysate. Predicted molecular weight: 97-116 kDa.



Flow Cytometry

Image 3. Flow cytometric analysis of Jurkat cells using DDR2 antibody (bottom histogram) compared to a [negative control](#) (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3030741.