

CD167b monoclonal antibody

Catalog: MB67122

Host: Mouse

Reactivity: Human

BackGround:

The discoidin domain receptors (DDR) are receptor tyrosine kinases with a discoidin homology repeat in their extracellular domains, activated by binding to extracellular matrix collagens. So far, two mammalian DDRs have been identified: DDR1 and DDR2. They are widely expressed in human tissues and may have roles in smooth muscle cell-mediated collagen remodeling. Research studies have implicated aberrant expression and signaling of DDRs in human diseases related to increased matrix degradation and remodeling, such as cardiovascular disease, liver fibrosis, and tumor invasion.

Injection of colon tumor cells into DDR2 knock out mice predisposes the hepatic stellate cells to colon tumor metastasis.

Product:

Mouse IgG1. Supplied in crude ascites with 0.01% sodium azide.

Molecular Weight:

~ 97 kDa

Swiss-Prot:

Q16832

Purification&Purity:

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/100)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

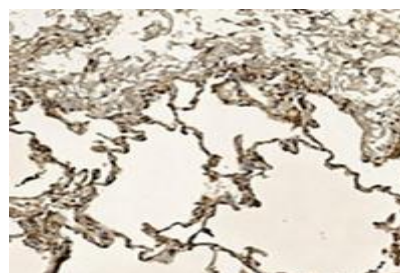
Specificity:

Recognizes endogenous levels of CD167b protein.

DATA:



Western blot analysis of CD167b expression in HepG2 (A) whole cell lysates.



Immunohistochemical analysis of CD167b staining in human lung formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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