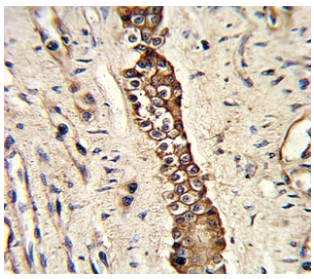
DDR2 Antibody /TYRO10 / Discoidin domain receptor 2 (F50688)

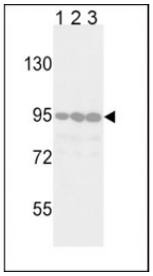
Catalog No.	Formulation	Size
F50688-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50688-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

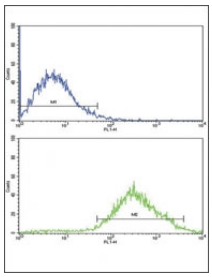
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q16832
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Flow Cytometry : 1:10-1:50
Limitations	This DDR2 antibody is available for research use only.



IHC analysis of FFPE human normal lung with DDR2 antibody



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



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.

Description

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 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]

Application Notes

Titration of the DDR2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This DDR2 antibody was produced from rabbits immunized with a his tag recombinant protein of human DDR2/TYRO10.

Storage

Aliquot the DDR2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

TYRO10

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