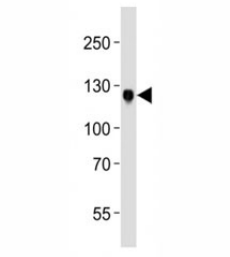
DDR1 Antibody [clone 1464CT339.1.54] (F53130)

Catalog No.	Formulation	Size
F53130-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F53130-0.08ML	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
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, k
Clone Name	1464CT339.1.54
Purity	Purified
UniProt	Q08345
Applications	Western blot: 1:1000
Limitations	This DDR1 antibody is available for research use only.



Western blot analysis of lysate from MCF-7 cell line using DDR1 antibody at 1:1000.
Predicted molecular weight: 100~125KD.

Description

Tyrosine kinase that functions as cell surface receptor for fibrillar collagen and regulates cell attachment to the extracellular matrix, remodeling of the extracellular matrix, cell migration, differentiation, survival and cell proliferation. Collagen binding triggers a signaling pathway that involves SRC and leads to the activation of MAP kinases. Regulates remodeling of the extracellular matrix by up-regulation of the matrix metalloproteinases MMP2, MMP7 and MMP9, and thereby facilitates cell migration and wound healing. Required for normal blastocyst implantation during pregnancy, for

normal mammary gland differentiation and normal lactation. Required for normal ear morphology and normal hearing (By similarity). Promotes smooth muscle cell migration, and thereby contributes to arterial wound healing. Also plays a role in tumor cell invasion. Phosphorylates PTPN11.

Application Notes

Titration of the DDR1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This DDR1 antibody was produced from a mouse immunized with a recombinant protein.

Storage

Aliquot the DDR1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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