

Anti-DDR1 Antibody

Catalog Number: M00905-1

About DDR1

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.

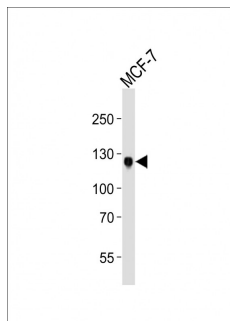
Overview

Product Name	Anti-DDR1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-DDR1 Antibody (Catalog # M00905-1). Tested in WB, IHC-P application(s). This antibody reacts with Human.
Application	IHC-P, WB
Clonality	Monoclonal 1464CT339.1.54
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q08345

Technical Details

Immunogen	This DDR1 antibody is generated from a mouse immunized with a recombinant protein.
Predicted Reactive Species	Bovine, Mouse
Isotype	IgG2b,k
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:1000 IHC-P: 1:25

Anti-DDR1 Antibody (M00905-1) Images



Western blot analysis of lysate from MCF-7 cell line, using DDR1 Antibody. M00905-1 was diluted at 1:1000. A goat anti-mouse IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



M00905-1 staining DDR1 in human brain sections by Immunohistochemistry (IHC-P -paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

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Anti-DDR1 Antibody

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