Rabbit anti-Mouse DDR2 Polyclonal Antibody | anti-DDR2 antibody

Anti-DDR2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257178	**Rabbit**	**Mouse**	**Immunohistochemistry, ELISA**

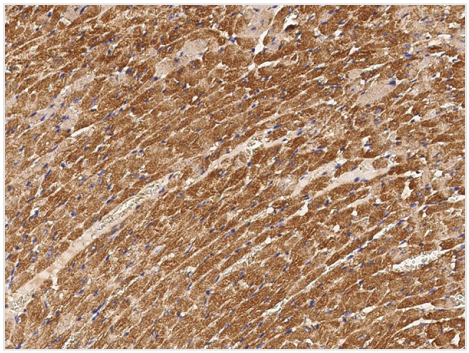
PRODUCT SYNONYMS

DDR2; Polyclonal Antibody; Anti-DDR2 Antibody; Rabbit Polyclonal; DDR2 Kinase/CD167b Antibody; Rabbit PAb; Antigen Affinity Purified; discoidin domain receptor tyrosine kinase 2; Anti-AW495251 Antibody; Anti-Ntrkr3 Antibody; Anti-tyro10 Antibody; anti-DDR2 antibody

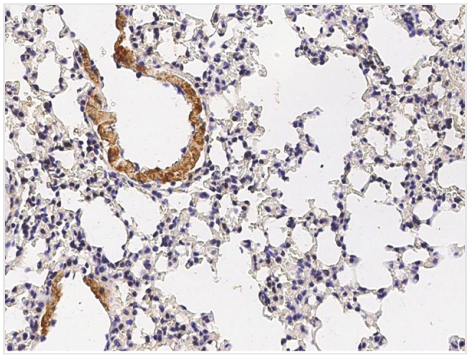
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse DDR2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-DDR2 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Mouse DDR2 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Mouse DDR2 (rM DDR2). DDR2 specific IgG was purified by Mouse DDR2 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunochemical staining of mouse DDR2 in mouse heart with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of mouse DDR2 in mouse lung with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-DDR2 antibody	Discoidin domain receptor 2 (DDR2) or CD167b (cluster of differentiation 167b) is a kind of protein tyrosine kinases associated with cell proliferation and tumor metastasis, and collagen, identified as a ligand for DDR2, up-regulates matrix metallloproteinase 1 (MMP-1) and MMP-2 expression in cellular matrix. DDR2/CD167b was found to recognise the triple-helical region of collagen X as well as the NC1 domain. Binding to the collagenous region was dependent on the triple-helical conformation. DDR2/CD167b autophosphorylation was induced by the collagen X triple-helical region but not the NC1 domain, indicating that the triple-helical region of collagen X contains a specific DDR2 binding site that is capable of receptor activation. DDR2/CD167b is induced during stellate cell activation and implicate the phosphorylated receptor as a mediator of MMP-2 release and growth stimulation in response to type I collagen. Moreover, type I collagen-dependent upregulation of DDR2/CD167b expression establishes a positive feedback loop in activated stellate cells, leading to further proliferation and enhanced invasive activity.
Product Categories/Family for anti-DDR2 antibody	Receptor Tyrosine Kinases (RTKs) Cancer Drug Targets
References	Olaso E, et al. (2001) DDR2 receptor promotes MMP-2-mediated proliferation and invasion by hepatic stellate cells. J Clin Invest. 108(9): 1369-78. Zhang W, et al. (2006) Expression of discoidin domain receptor 2 (DDR2) extracellular domain in pichia pastoris and functional analysis in synovial fibroblasts and NIT3T3 cells. Mol Cell Biochem. 290(1-2): 43-53. Leitinger B, et al. (2006) The discoidin domain receptor DDR2 is a receptor for type X collagen. Matrix Biol. 25(6): 355-64. Leitinger B, et al. (2004) The D2 period of collagen II contains a specific binding site for the human discoidin domain receptor, DDR2. J Mol Biol. 344(4): 993-1003.

NCBI AND UNIPROT INFORMATION

NCBI GI #	158508514
NCBI GeneID	18214
NCBI Accession #	NP_072075.2
NCBI GenBank Nucleotide #	NM_022563.2
UniProt Accession #	Q62371; B2RSD7
Molecular Weight	96,482 Da
NCBI Official Full Name	discoidin domain-containing receptor 2
NCBI Official Synonym Full Names	discoidin domain receptor family, member 2
NCBI Official Symbol	Ddr2
NCBI Official Synonym Symbols	Ntrkr3; tyro10; AW495251
NCBI Protein Information	discoidin domain-containing receptor 2
UniProt Protein Name	Discoidin domain-containing receptor 2
UniProt Gene Name	**Ddr2**
UniProt Synonym Gene Names	Ntrkr3; Tkt; Tyro10; Discoidin domain receptor 2
UniProt Entry Name	DDR2_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/ddr2-antibody-immunohistochemistry-elisa/257178