

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

DDR2 Rabbit anti-Human Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162901	Rabbit	Mouse, Human	Western Blot, Immunohistochemistry, Immunohistochemistry, Immunofluorescence, ELISA

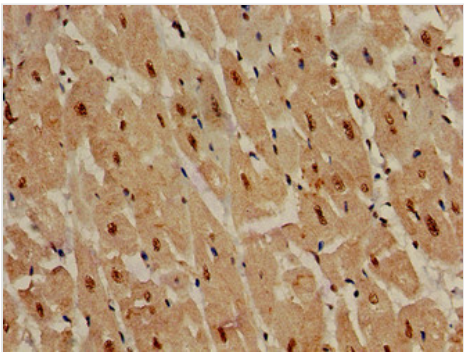
PRODUCT SYNONYMS

DDR2; Polyclonal Antibody; DDR2 Rabbit anti-Human Polyclonal Antibody; IHC-plus DDR2 Antibody; CD167b antigen; Discoidin domain receptor 2; Hydroxyaryl-protein kinase; MIG20a; Tyrosine-protein kinase TYRO10; NTRKR3; TYRO10; Tyrosylprotein kinase; anti-DDR2 antibody

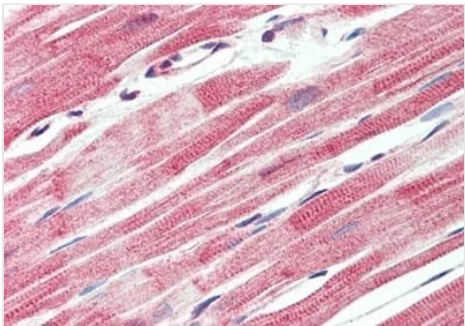
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Human
Clonality	Polyclonal
Isotype	IgG
Specificity	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.
Purity/Purification	Protein G purified
Form/Format	PBS, pH7.4, 0.03% Proclin 300, 50% glycerol
Concentration	3.44mg/ml (varies by lot)
Applicable Applications for anti-DDR2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA
Target	Human DDR2
Immunogen	Recombinant Human Discoidin domain-containing receptor 2 protein (447-540AA)
Conjugation	Unconjugated
Family	Protein Kinase
Subfamily	DDR/TKT
Preparation and Storage	Short term: store at -20 degree C. Long term: store at -80 degree C. Avoid freeze-thaw cycles.

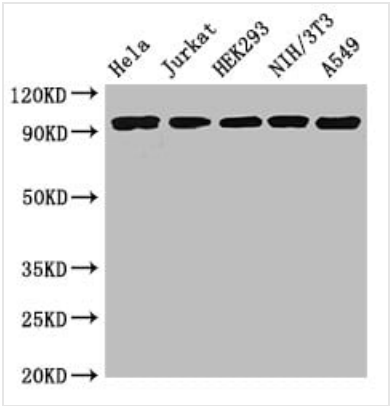
IMAGES



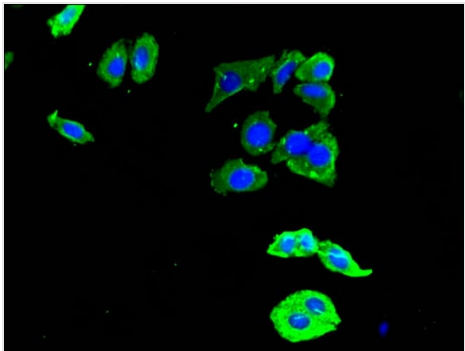
IHC (Immunohistochemistry)
DDR2 Antibody-Immunohistochemistry of paraffin-embedded human heart tissue using DDR2 Antibody at dilution of 1:100



IHC (Immunohistochemistry)
DDR2 Antibody-Human Heart: Formalin-Fixed, Paraffin-Embedded (FFPE), at a concentration of 10 ug/ml.



WB (Western Blot)
DDR2 Antibody-Positive WB detected in:HeLa whole cell lysate,Jurkat whole cell lysate,HEK293 whole cell lysate,NIH/3T3 whole cell lysate,A549 whole cell lysate;All lanes:DDR2 antibody at 3.5?g/ml;Secondary;Goat polyclonal to rabbit IgG at 1/50000 dilution;Predicted band size: 97 KDa;Observed band size: 97 KDa;



ICC (Immunocytochemistry)
DDR2 Antibody-Immunofluorescent analysis of HepG2 cells using DDR2 Antibody at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

ADDITIONAL INFORMATION

Related Product Information for anti-DDR2 antibody	DDR2 antibody is an unconjugated rabbit polyclonal antibody to DDR2 from human. It is reactive with human and mouse. Validated for ELISA, IF, IHC and WB. Tested on 20 paraffin-embedded human tissues.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62420884
NCBI GeneID	4921
NCBI Accession #	NP_006173.2
NCBI GenBank Nucleotide #	NM_006182
UniProt Accession #	Q16832; Q7Z730
Molecular Weight	96,736 Da
NCBI Official Full Name	discoidin domain-containing receptor 2
NCBI Official Synonym Full Names	discoidin domain receptor tyrosine kinase 2
NCBI Official Symbol	DDR2
NCBI Official Synonym Symbols	TKT; MIG20a; NTRKR3; TYRO10

NCBI Protein Information	discoidin domain-containing receptor 2; tyrosylprotein kinase; hydroxyaryl-protein kinase; discoidin domain receptor 2; tyrosine-protein kinase TYRO10; CD167 antigen-like family member B; cell migration-inducing protein 20; migration-inducing gene 16 prot
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_HUMAN

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-western-blot-immunohistochemistry-immunohistochemistry-immunofluorescence-elisa/162901>