

Rabbit anti-Human DDR1 Polyclonal Antibody | anti-DDR1 antibody

Anti-DDR1 Antibody, Rabbit Polyclonal

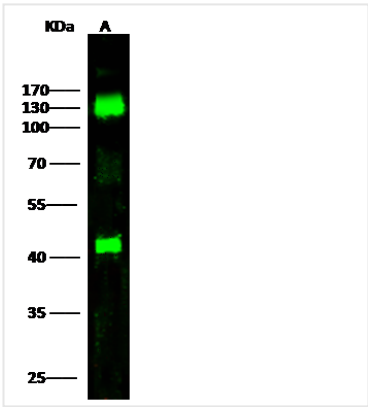
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255117	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

DDR1; Polyclonal Antibody; Anti-DDR1 Antibody; Rabbit Polyclonal; DDR1 Kinase/MCK10/CD167 Antibody; Rabbit PAb; Antigen Affinity Purified; discoidin domain receptor tyrosine kinase 1; Anti-CAK Antibody; Anti-CD167 Antibody; Anti-DDR Antibody; Anti-EDDR1 Antibody; Anti-HGK2 Antibody; Anti-MCK10 Antibody; Anti-NEP Antibody; Anti-NTRK4 Antibody; Anti-PTK3 Antibody; Anti-PTK3A Antibody; Anti-RTK6 Antibody; Anti-TRKE Antibody; anti-DDR1 antibody

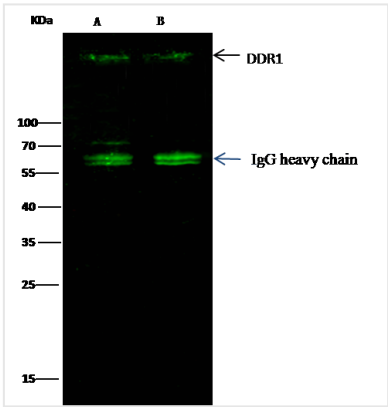
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human DDR1/CD167a
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-DDR1 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human DDR1 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human DDR1/CD167a (rh DDR1). DDR1 specific IgG was purified by human DDR1 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.



WB (Western Blot)

Anti-DDR1 rabbit polyclonal antibody at 1:500 dilutionLane A: MCF7 Membrane LysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:101 kDaObserved band size:130 kDa



IP (Immunoprecipitation)

DDR1 was immunoprecipitated using:Lane A:0.5 mg SW480 Whole Cell LysateLane B:0.5 mg MCF-7 Whole Cell Lysate0.5 uL anti-DDR1 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-DDR1 rabbit polyclonal antibody,at 1:1000 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 101 kDaObserved band size: 130 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-DDR1 antibody	Discoidin domain receptor family, member 1 (DDR1), also known as or CD167a (cluster of differentiation 167a), and Mammary carcinoma kinase 10 (MCK10), belongs to a subfamily of tyrosine kinase receptors with an extracellular domain homologous to Dictyostellium discoideum protein discoidin 1. Receptor tyrosine kinases play a key role in the communication of cells with their microenvironment. These kinases are involved in the regulation of cell growth, differentiation and metabolism. Expression of DDR1/MCK10/CD167 is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, it has been shown to be significantly overexpressed in several human tumors. DDR1/MCK10/CD167 plays an important role in regulating attachment to collagen, chemotaxis, proliferation, and MMP production in smooth muscle cells. DDR1 functions in a feedforward loop to increase p53 levels and at least some of its effectors. Inhibition of DDR1 function resulted in strikingly increased apoptosis of wild-type p53-containing cells in response to genotoxic stress through a caspase-dependent pathway.
Product Categories/Family for anti-DDR1 antibody	Receptor Tyrosine Kinases (RTKs); p53 Pathway
References	Hou G, et al. (2001) The discoidin domain receptor tyrosine kinase DDR1 in arterial wound repair. J Clin Invest. 107(6): 727-35.Ongusaha PP, et al. (2003) p53 induction and activation of DDR1 kinase counteract p53-mediated apoptosis and influence p53 regulation through a positive feedback loop. EMBO J. 22(6): 1289-301.Jonsson M, et al. (2001) Repression of Wnt-5a impairs DDR1 phosphorylation and modifies adhesion and migration of mammary cells. J Cell Sci. 114(11): 2043-53.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38327632
NCBI GeneID	780
UniProt Accession #	Q08345; Q14196; Q16562; Q2L6H3; Q4LE50; Q5ST11; Q5ST12; Q6NSK4; Q9UD35; Q9UD36; B5A975; B5A976
NCBI Official Full Name	epithelial discoidin domain-containing receptor 1 isoform DDR1a [Homo sapiens]
NCBI Official Synonym Full Names	discoidin domain receptor tyrosine kinase 1
NCBI Official Symbol	DDR1
NCBI Official Synonym Symbols	CAK; DDR; NEP; HGK2; PTK3; RTK6; TRKE; CD167; EDDR1; MCK10; NTRK4; PTK3A; DDR1
UniProt Protein Name	Epithelial discoidin domain-containing receptor 1
UniProt Gene Name	DDR1

UniProt Synonym Gene Names	CAK; EDDR1; NEP; NTRK4; PTK3A; RTK6; TRKE; Epithelial discoidin domain receptor 1; MCK-10
UniProt Entry Name	DDR1_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/ddr1-antibody-immunoprecipitation-western-blot-elisa/255117>