

Rabbit anti-Human, Rat MCK10 Polyclonal Antibody | anti-DDR1 antibody

Anti-MCK10 antibody

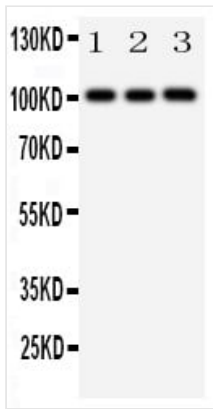
CATALOG # AAA45439	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

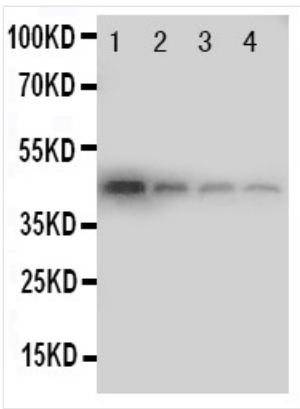
MCK10; Polyclonal Antibody; Anti-MCK10 antibody; Epithelial discoidin domain-containing receptor 1; discoidin domain receptor tyrosine kinase 1; CAK antibody; CD 167 antibody; CD167 antibody; CD167 antigen-like family member A antibody; CD167a antibody; Cell adhesion kinase antibody; DDR 1 antibody; DDR antibody; DDR1 antibody; DDR1_HUMAN antibody; Discoidin domain receptor antibody; Discoidin domain receptor tyrosine kinase 1 antibody; Discoidin receptor tyrosine kinase antibody; Discoidin receptor tyrosine kinase isoform a antibody; EDDR 1 antibody; EDDR1 antibody; Epithelial discoidin domain receptor 1 antibody; Epithelial discoidin domain-containing receptor 1 antibody; Epithelial specific receptor kinase antibody; HGK2 antibody; Mammarian carcinoma kinase 10 antibody; Mammary carcinoma kinase 10 antibody; MCK-10 antibody; MCK10 antibody; NEP antibody; Neuroepithelial tyrosine kinase antibody; Neurotrophic tyrosine kinase receptor type 4 antibody; NTRK 4 antibody; NTRK4 antibody; OTTHUMP00000029343 antibody; OTTHUMP00000029344 antibody; OTTHUMP00000029345 antibody; OTTHUMP00000029346 antibody; OTTHUMP00000029347 antibody; OTTHUMP00000164863 antibody; OTTHUMP00000164867 antibody; OTTHUMP00000222080 antibody; Protein-tyrosine kinase 3A antibody; Protein-tyrosine kinase RTK-6 antibody; PTK 3 antibody; PTK 3A protein tyrosine kinase 3A antibody; PTK3 antibody; PTK3A antibody; Receptor tyrosine kinase NEP antibody; RTK 6 antibody; RTK6 antibody; TRK E antibody; TRKE antibody; Tyrosine kinase DDR antibody; Tyrosine kinase receptor E antibody; Tyrosine-protein kinase CAK antibody; anti-DDR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	913
Applicable Applications for anti-DDR1 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human MCK10 (898-913aa FSQLRFLAEDALNTV), different from the related rat sequence by one amino acid, and from the related mouse sequence by two amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)
Anti-MCK10 antibody, AAA45439, Western blottingLane 1: A431 Cell LysateLane 2: A549 Cell LysateLane 3: HELA Cell Lysate



WB (Western Blot)
Anti-MCK10 antibody, AAA45439, Western blottingRecombinant Protein Detection Source: E.coli derived -recombinant human DDR1, 45.8KD(162aa tag+F669-V913)Lane 1: Recombinant Human DDR1 Protein 10ngLane 2: Recombinant Human DDR1 Protein 5ngLane 3: Recombinant Human DDR1 Protein 2.5ngLane 4: Recombinant Human DDR1 Protein 1.25ng

ADDITIONAL INFORMATION

Related Product Information for anti-DDR1 antibody	Description: Rabbit IgG polyclonal antibody for Epithelial discoidin domain-containing receptor 1(DDR1) detection. Tested with WB in Human, Rat. Background: DDR1(Discoidin domain receptor family, member 1) also known as NEP, EDDR1, NTRK4, TRKE, DDR, CAK or RTK6, is a human gene. The protein encoded by this gene is a RTK that is widely expressed in normal and transformed epithelial cells and is activated by various types of collagen.This protein belongs to a subfamily of tyrosine kinase receptors with a homology region to the Dictyostelium discoideum protein discoidin I in their extracellular domain.The DDR1 gene is mapped on 6p21.33. The fibrillar collagens and immobilized collagen activated DDR1 receptor phosphorylation after prolonged treatment. Bhatt et al.(2000) showed that Ddr1 was highly expressed in the cerebellum of developing and adult mouse brain, and that both Ddr1 and collagen IV were highly expressed in the pial layer of the cerebellar cortex. Cocultures of collagen I- and IV-expressing mouse pial cells with Ddr1-expressing granule cells resulted in granule cell neurite extension. Inhibition of collagen-Ddr1signaling reduced granule cell neurite elongation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	729008
NCBI GeneID	780
UniProt Accession #	Q08345; Q14196; Q16562; Q2L6H3; Q4LE50; Q5ST11; Q5ST12; Q6NSK4; Q9UD35; B5A975; B5A976; B7Z2K0
Molecular Weight	99,064 Da
NCBI Official Full Name	Epithelial discoidin domain-containing receptor 1
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
NCBI Protein Information	epithelial discoidin domain-containing receptor 1; tyrosine kinase DDR; cell adhesion kinase; mammary carcinoma kinase 10; tyrosine-protein kinase CAK; protein-tyrosine kinase RTK-6; neuroepithelial tyrosine kinase; PTK3A protein tyrosine kinase 3A; CD167 antigen-like family member A; neurotrophic tyrosine kinase, receptor, type 4
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

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/mck10-antibody-western-blot-elisa/45439>