

RecomAb™

DDR1 recombinant monoclonal antibody, clone 3E3

Catalog # RAB03413 Size 200 ug

Specification

Product Description	Mouse recombinant monoclonal antibody raised against human DDR1.
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Antibody Species	Mouse
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Immunogen	Original antibody is raised against the extracellular domain of human DDR1.
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Reactivity	Human
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Form	Liquid
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Isotype	IgG1 kappa
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Recommend Usage	Blocking ELISA Western Blot The optimal working dilution should be determined by the end user.
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Storage Buffer	In PBS with 0.02% Proclin 300
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Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.
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Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay
- Blocking

Gene Info — DDR1

Entrez GeneID	780
Gene Name	DDR1
Gene Alias	CAK, CD167, DDR, EDDR1, MCK10, NEP, NTRK4, PTK3, PTK3A, RTK6, TRKE
Gene Description	discoidin domain receptor tyrosine kinase 1
Omim ID	600408
Gene Ontology	Hyperlink
Gene Summary	<p>Receptor tyrosine kinases (RTKs) play a key role in the communication of cells with their microenvironment. These molecules are involved in the regulation of cell growth, differentiation and metabolism. 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. Its autophosphorylation is achieved by all collagens so far tested (type I to type VI). In situ studies and Northern-blot analysis showed that expression of this encoded protein is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, this protein is significantly over-expressed in several human tumors from breast, ovarian, esophageal, and pediatric brain. This gene is located on chromosome 6p21.3 in proximity to several HLA class I genes. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000029343 OTTHUMP00000029344 OTTHUMP00000029345 OTTHUMP00000029346 OTTHUMP00000029347 PTK3A protein tyrosine kinase 3A cell adhesion kinase discoidin domain receptor DDR1d discoidin domain receptor family, member 1 discoidin receptor tyrosine kin

Disease

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