RecomAb™

DDR1 recombinant monoclonal antibody, clone 3E3

Catalog # RAB03413 Size 200 ug

Specification

Product Description	Mouse recombinant monoclonal antibody raised against human DDR1.
Antibody Species	Mouse
Immunogen	Original antibody is raised against the extracellular domain of human DDR1.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Isotype	IgG1 kappa
Recommend Usage	Blocking ELISA Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS with 0.02% Proclin 300
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.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot
- Blocking

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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	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
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

- Abortion
- Arthritis
- Disease Progression
- Disease Susceptibility
- Genetic Predisposition to Disease
- Glomerulonephritis
- Leukemia

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Lupus Erythematosus
- Schizophrenia
- Vitiligo

Copyright © 2023 Abnova Corporation. All Rights Reserved.