

Product datasheet for **AM20432SU-N**

MCK10 (DDR1) Mouse Monoclonal Antibody [Clone ID: 2G4E12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2G4E12
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: 1/10000. Immunohistochemistry on Paraffin Sections: 1/200 - 1/300. Western Blot: 1/500 - 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified Recombinant fragment of DDR1 (aa 602-681) expressed in E.coli
Specificity:	Recognizes Human Discoidin Domain Receptor (DDR1).
Formulation:	State: Ascites State: Ascites fluid Preservative: 0.03% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	discoidin domain receptor tyrosine kinase 1
Database Link:	Entrez Gene 780 Human Q08345



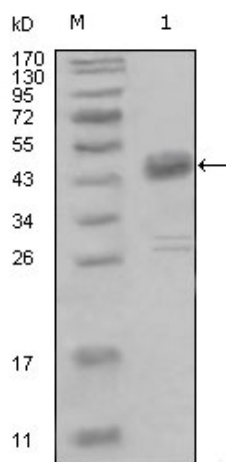
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Background: DDR1 is a DDR/TKT type protein kinase. DDR1 is activated by various types of collagen, including types I through IV. Binding of collagen to DDR1 protein results in autophosphorylation and a delayed but sustained tyrosine kinase activation. DDR1 may function in cell-to-cell interaction or recognition. At least three mRNA variants, resulting in different protein isoforms of 875, 913 and 919 amino acids, have been reported. DDR1 protein has been shown to be over expressed in human breast, ovarian, esophageal and pediatric brain tumors.

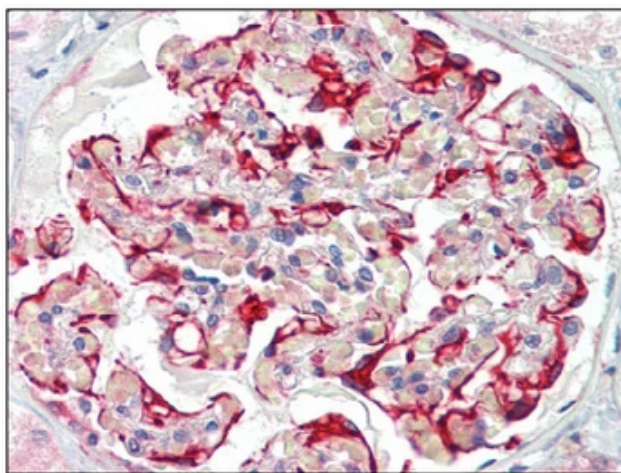
Synonyms: Tyrosine kinase DDR-1, CAK, EDDR1, NEP, NTRK4, PTK3A, RTK6, TRKE, MCK10, Epithelial discoidin domain receptor 1

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

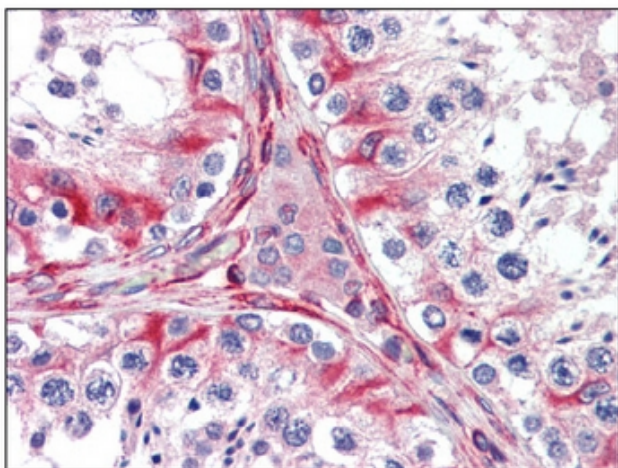
Product images:



Western blot analysis using CD167a / DDR1 antibody Cat.-No AM20432SU-N against truncated MBP-DDR1 recombinant protein (Lane 1).



Formalin-Fixed, Paraffin-Embedded Human Kidney stained with CD167a / DDR1 antibody Cat.-No AM20432SU-N.



Formalin-Fixed, Paraffin-Embedded Human Testis stained with CD167a / DDR1 antibody Cat.-No AM20432SU-N.