

Product datasheet for **AP14383PU-N**

MCK10 (DDR1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Immunohistochemistry: 1/10 - 1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with recombinant human MCK10 protein.
Specificity:	This antibody reacts to MCK10.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody 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



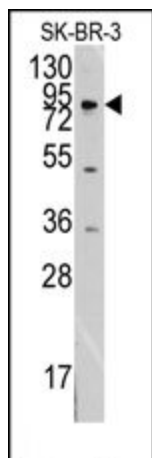
[View online »](#)

Background:

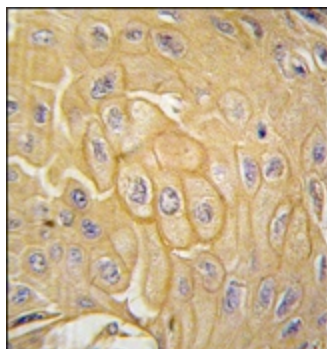
Receptor tyrosine kinases (RTKs) play a key role in the communication of cells with their microenvironment. These molecules are involved in the regulation of cell growth, differentiation and metabolism. MCK10 is a RTK that is widely expressed in normal and transformed epithelial cells and is activated 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.

Synonyms:

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

Product images:


Western blot analysis of anti-MCK10 Pab in SK-BR-3 cell line lysates (35ug/lane). MCK10 (arrow) was detected using the purified Pab (1:60 dilution).



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with MCK10 antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.