

## Summary

<b>Production Name</b>	DDR2 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC,ELISA
<b>Reactivity</b>	Human,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	DDR2 NTRKR3 TKT TYRO10 Discoidin domain-containing receptor 2 (Discoidin domain receptor 2) (EC 2.7.10.1) (CD167 antigen-like family member B) (Discoidin domain-containing receptor tyrosine kinase 2) (Neurotrophic tyrosine kinase, receptor-related 3) (Receptor protein-tyrosine kinase TKT) (Tyrosine-protein kinase TYRO10) (CD antigen CD167b)
<b>Alternative Names</b>	
<b>Gene ID</b>	4921.0
<b>SwissProt ID</b>	Q16832.Synthetic peptide from human protein at AA range: 31-80

## Application

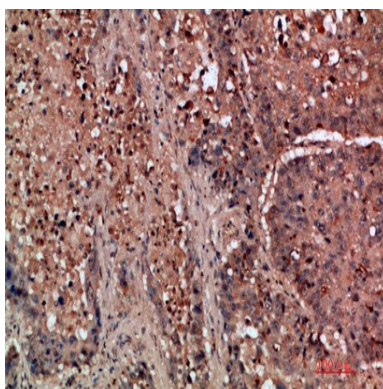
<b>Dilution Ratio</b>	IHC 1:50-200, ELISA 1:10000-20000
<b>Molecular Weight</b>	

## 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. In several cases the biochemical mechanism by which RTKs transduce signals across the membrane has been shown to be ligand induced receptor oligomerization and subsequent intracellular phosphorylation. This autophosphorylation leads to phosphorylation of cytosolic targets as well as association with other molecules, which are involved in pleiotropic effects of signal transduction. RTKs have a tripartite structure with extracellular, transmembrane, and cytoplasmic regions. This gene encodes a member of a novel subclass of RTKs and contains a distinct extracellular region encompassing a factor VIII-like domain. Alternative splicing in the 5' UTR results in multiple transcatalytic activity:  $\text{ATP} + \text{a [protein]-L-tyrosine} = \text{ADP} + \text{a [protein]-L-tyrosine phosphate}$ .  
function: This tyrosine kinase receptor for fibrillar collagen mediates fibroblast migration and proliferation. Contributes to cutaneous wound healing.  
similarity: Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily.  
similarity: Contains 1 F5/8 type C domain.  
similarity: Contains 1 protein kinase domain.  
tissue specificity: The major 10 kDa transcript is expressed in high levels in heart and lung, less in brain, placenta, liver, skeletal muscle, pancreas, and kidney.

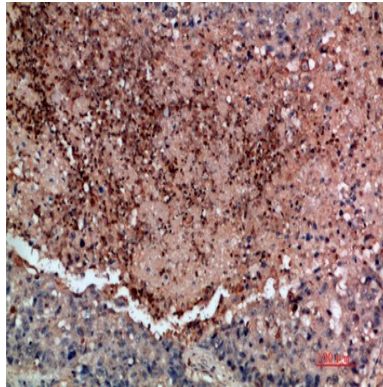
## Research Area

## Image Data



Immunohistochemical analysis of paraffin-embedded human-lung-cancer, antibody was diluted at 1:200

**Product Name: DDR2 Rabbit Polyclonal Antibody**  
**Catalog #: APRab09869**



Immunohistochemical analysis of paraffin-embedded human-lung-cancer, antibody was diluted at 1:200

**Note**

For research use only.