

DDR2 Polyclonal Antibody

Catalog No: YT5938

Reactivity: Human; Mouse

Applications: IF;IHC;ELISA

Target: DDR2

Gene Name: DDR2 NTRKR3 TKT TYRO10

Q16832

Q62371

Protein Name: 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

Human Gene Id: 4921

Human Swiss Prot

No:

Mouse Gene Id: 18214

Mouse Swiss Prot

No:

Immunogen: Synthetic peptide from human protein at AA range: 31-80

Specificity: The antibody detects endogenous DDR2

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: IHC 1:50-200, IF1 500 ELISA 1:10000-20000

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)



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 transcr

Function:

catalytic activity:ATP + a [protein]-L-tyrosine = ADP + 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.,

Subcellular Location :

Cell membrane; Single-pass type I membrane protein.

Expression:

Detected in osteocytes, osteoblastic cells in subchondral bone, bone lining cells, tibia and cartilage (at protein level). Detected at high levels in heart and lung, and at low levels in brain, placenta, liver, skeletal muscle, pancreas, and kidney.

Tag: orthogonal

Sort : 436

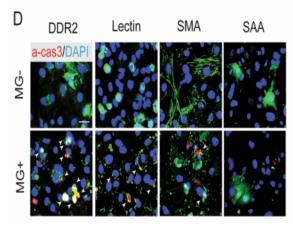
No4:

Host: Rabbit

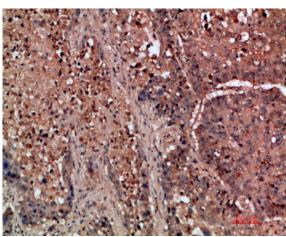
Modifications: Unmodified

Products Images

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Long, S., Gu, Y., An, Y. et al. Reovirus enhances cytotoxicity of natural killer cells against colorectal cancer via TLR3 pathway. J Transl Med 19, 185 (2021).



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