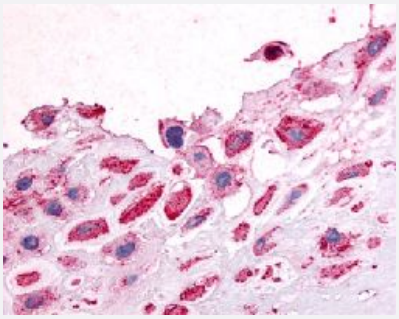
DDR1 polyclonal antibody

Catalog # PAB16328 Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) staining in human decidual cells with DDR1 polyclonal antibody (Cat # PAB16328).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of DDR1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to human DDR1.
Host	Rabbit
Reactivity	Human, Monkey
Specificity	N-terminal region of human.
Form	Liquid
Purification	Immunoaffinity purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (15-20 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — DDR1

Entrez GeneID	780
Protein Accession#	Q08345
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 microenv ironment. These molecules are involved in the regulation of cell growth, differentiation and metabo lism. The protein encoded by this gene is a RTK that is widely expressed in normal and transform ed epithelial cells and is activated by various types of collagen. This protein belongs to a subfamil y of tyrosine kinase receptors with a homology region to the Dictyostelium discoideum protein dis coidin I in their extracellular domain. Its autophosphorylation is achieved by all collagens so far tes ted (type I to type VI). In situ studies and Northern-blot analysis showed that expression of this enc oded protein is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, a nd brain. In addition, this protein is significantly over-expressed in several human tumors from bre ast, ovarian, esophageal, and pediatric brain. This gene is located on chromosome 6p21.3 in pro ximity to several HLA class I genes. Alternative splicing of this gene results in multiple transcript v ariants. [provided by RefSeq
Other Designations	OTTHUMP00000029343|OTTHUMP00000029344|OTTHUMP00000029345|OTTHUMP000000 29346|OTTHUMP00000029347|PTK3A protein tyrosine kinase 3A|cell adhesion kinase|discoidi n domain receptor DDR1d|discoidin domain receptor family, member 1|discoidin receptor tyrosin e kin

Disease

- Abortion
- Arthritis
- Disease Progression
- Disease Susceptibility
- Genetic Predisposition to Disease
- Glomerulonephritis
- Leukemia
- Lupus Erythematosus
- Schizophrenia
- Vitiligo