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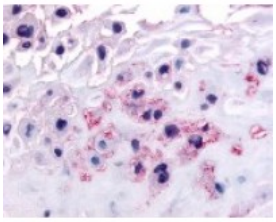
DDR1 Antibody

CATALOG NUMBER: 48-179



Immunohistochemistry staining of DDR1 in decidual cells using DDR1 Antibody.

Specifications

SPECIES REACTIVITY:	Pig
APPLICATIONS:	DDR1 antibody can be used in ELISA, Western Blot starting at 1 - 2 ug/mL, immunocytochemistry, immunohistochemistry starting at 10 ug/mL, immunoprecipitation starting at 1 - 2 ug/mL, and flow cytometry.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	BLAST analysis of the peptide immunogen showed no homology with other human proteins, except DDR2 (69%).
IMMUNOGEN:	DDR1 antibody was raised against a peptide located near the C-Terminal region of DDR1 (Human).
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Immunoaffinity Chromatography
PHYSICAL STATE:	Liquid
BUFFER:	PBS, 0.1% sodium azide.
STORAGE CONDITIONS:	DDR1 antibody should be stored long term (months) at -80 ˚C and short term (days) at 4 ˚C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	DDR1, Cell adhesion kinase, CD167, CD167a antigen, EDDR1, ENTRK4, Mammary carcinoma kinase 10, MCK10, NEP, PTK3, PTK3A, RTK6, Tyrosine-protein kinase CAK, CAK, DDR, Discoidin domain receptor 1, HGK2, MCK-10, NTRK4, Protein-tyrosine kinase 3A, Protein-tyrosine kinase RTK-6, TRK E, TRKE, Tyrosine kinase DDR
ACCESSION NO.:	Q08345
PROTEIN GI NO.:	729008
OFFICIAL SYMBOL:	DDR1
GENE ID:	780

Background

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.

FOR RESEARCH USE ONLY

December 13, 2016