



Anti-DDR1 polyclonal antibody (CPBT-65056RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

This product detects an epitope within the C-terminal of human CD167, a Discoidin Domain Receptor (DDR) also known as DDR1. CD167, a receptor for collagen, is widely expressed in normal and transformed epithelial cells, and may regulate cell adhesion, proliferation and extracellular matrix remodelling. CD167 is a 125kD protein which is partially processed into a 62kD membrane-anchored beta-subunit and a 54kD soluble alpha-subunit. This process, also termed shedding, is significantly enhanced upon CD167 activation. CD167 has been demonstrated to be a direct transcriptional target of the p53 tumour suppressor gene, and is significantly over-expressed in breast, ovarian, oesophageal, and paediatric brain tumours.

Specificity	DDR1
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IHC-P
Format	Purified IgG - liquid
Size	50 µg
Preservative	0.1% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	DDR1 discoidin domain receptor tyrosine kinase 1 [Homo sapiens (human)]
Official Symbol	DDR1
Synonyms	DDR1; discoidin domain receptor tyrosine kinase 1; CAK; DDR; NEP; HGK2; PTK3; RTK6; TRKE; CD167; EDDR1; MCK10; NTRK4; PTK3A; epithelial discoidin domain-containing receptor 1; tyrosine kinase DDR; cell adhesion kinase; mammary carcinoma kinase 10; tyrosin
Entrez Gene ID	780
Protein Refseq	NP_001189450
UniProt ID	Q08345
Chromosome Location	6p21.3
Pathway	Extracellular matrix organization; Non-integrin membrane-ECM interactions;
Function	ATP binding; collagen binding; metal ion binding; protein binding; protein tyrosine kinase collagen receptor activity; transmembrane receptor protein tyrosine kinase activity;