

Product datasheet for **CF503920**

CCK4 (PTK7) Mouse Monoclonal Antibody [Clone ID: OTI2E7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2E7
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:200~500, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PTK7(NP_690619) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	Homo sapiens protein tyrosine kinase 7 (inactive) (PTK7), transcript variant PTK7-2, mRNA.
Database Link:	NP_690619 Entrez Gene 71461 Mouse Entrez Gene 5754 Human Q13308



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Background:

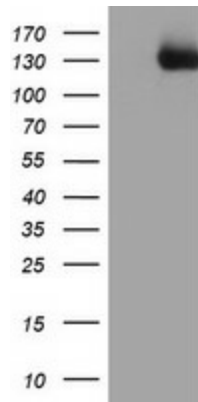
Receptor protein tyrosine kinases transduce extracellular signals across the cell membrane. A subgroup of these kinases lack detectable catalytic tyrosine kinase activity but retain roles in signal transduction. The protein encoded by this gene is a member of this subgroup of tyrosine kinases and may function as a cell adhesion molecule. This gene is thought to be expressed in colon carcinomas but not in normal colon, and therefore may be a marker for or may be involved in tumor progression. Four transcript variants encoding four different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Synonyms:

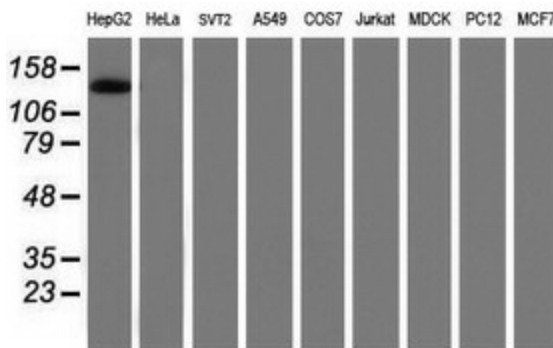
CCK-4; CCK4

Protein Families:

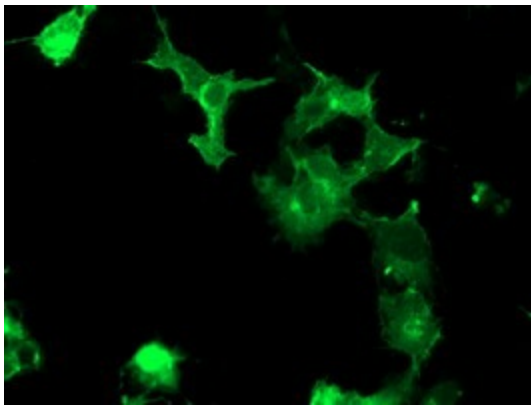
Druggable Genome, Protein Kinase, Transmembrane

Product images:


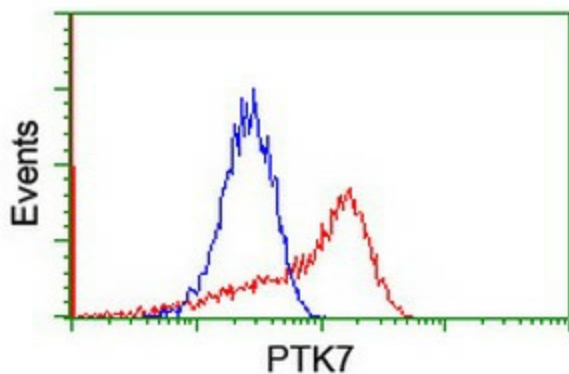
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PTK7 (Cat# [RC223416], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PTK7(Cat# [TA503920]).



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-PTK7 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



Anti-PTK7 mouse monoclonal antibody ([TA503920]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PTK7 ([RC223416]).



HEK293T cells transfected with either [RC223416] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-PTK7 antibody ([TA503920]), and then analyzed by flow cytometry.