

## Product datasheet for **AP55362PU-N**

### CCK4 (PTK7) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western Blot:</b> 1/500-1/2000. <b>Immunohistochemistry:</b> 1/100-1/500.
Reactivity:	Chicken, Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from Human N-terminal region of CCK-4
Specificity:	This antibody reacts specifically with Human 112 kDa CCK-4.
Formulation:	0.1M Tris, 0.1M Glycine and 2% Sucrose State: Purified State: Lyophilized purified antibody Preservative: None
Reconstitution Method:	Restore in distilled water.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store the antibody at -20°C. Store reconstituted antibody at 2-8°C for one month or (in aliquots) at -20°C for longer Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	protein tyrosine kinase 7 (inactive)
Database Link:	<a href="#">Entrez Gene 5754 Human Q13308</a>



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**Background:**

PTK7 is a member of the receptor tyrosine kinase family otherwise known as Colon Carcinoma Kinase 4 (CCK4). PTK7 is highly expressed in the kidney, liver, lung, pancreas and melanocytes with weaker expression being detected in the thyroid gland, ovaries, brain, heart and skeletal muscle.

PTK7 may play a role in embryonic development. It is thought to function as a cell adhesion molecule and as a novel regulator of the planar cell polarity (PCP) pathway in vertebrates. Studies also suggest that PTK7 may be involved in the tumour progression. A loss of PTK7 expression has been observed in melanoma cell lines, whereas increased levels of PTK7 have been detected in high-throughput acute myeloid leukaemia samples. In addition, PTK7 is not expressed in normal colon but has been detected in colon carcinomas and as such is a potential marker for tumour progression.

**Synonyms:**

Tyrosine-protein kinase-like 7, Colon carcinoma kinase 4, CCK-4