

## Mouse Monoclonal Antibody to PTK7

<b>Catalogue Number</b>	sAP-0431
<b>Target Molecule</b>	<p><b>Name:</b> PTK7</p> <p><b>Aliases:</b> CCK4; PTK7</p> <p><b>MW:</b> 118kDa</p> <p><b>Entrez Gene ID:</b> 5754</p>
<b>Description</b>	<p>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. Tissue specificity: Highly expressed in lung, liver, pancreas, kidney, placenta and melanocytes. Weakly expressed in thyroid gland, ovary, brain, heart and skeletal muscle. Also expressed in erythroleukemia cells. But not expressed in colon.</p>
<b>Immunogen</b>	Purified recombinant fragment of human PTK7 expressed in E. Coli.
<b>Recombinant Species</b>	Human
<b>Clone</b>	MM4F9;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide. ; ;
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Oncogene. 1995 Nov 16;11(10):2179-84. ; 2. Cytogenet Cell Genet. 1997;76(1-2):43-4. ; 3. Biochem Biophys Res Commun. 2008 Jul 11;371(4):793-8.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**