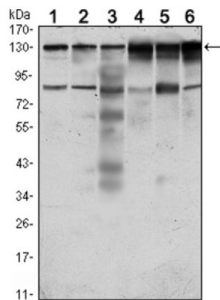
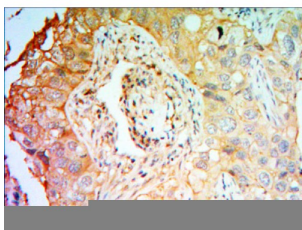


## Inactive Tyrosine-Protein Kinase 7 (PTK7) Antibody

Catalogue No.: abx011451



Western blot analysis using PTK7 antibody against Hela (1), A431 (2), HCT116 (3), Caco2 (4), HepG2 (5) and MCF-7 (6) cell lysate.



Immunohistochemical analysis of paraffin-embedded lung cancer tissues using PTK7 antibody with DAB staining.

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.

**Target:** Inactive Tyrosine-Protein Kinase 7 (PTK7)

**Clonality:** Monoclonal

**Reactivity:** Human

**Tested Applications:** ELISA, WB, IHC

**Host:** Mouse

**Recommended dilutions:** ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** Purified recombinant fragment of human PTK7 expressed in E. coli.

# Datasheet

Version: 5.0.0  
Revision date: 13 Apr 2025



<b>Isotype:</b>	IgG <sub>1</sub>
<b>Form:</b>	Liquid
<b>Purification:</b>	Unpurified ascites.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	Q13308 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	PTK7
<b>GeneID:</b>	<a href="#">5754</a>
<b>OMIM:</b>	<a href="#">601890</a>
<b>HGNC:</b>	9618
<b>KEGG:</b>	hsa:5754
<b>Ensembl:</b>	ENSG00000112655
<b>String:</b>	<a href="#">9606.ENSP00000418754</a>
<b>Molecular Weight:</b>	118 kDa
<b>Buffer:</b>	Ascitic fluid containing 0.03% sodium azide.
<b>Concentration:</b>	Not determined.
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.