

## Datasheet

### TK1 monoclonal antibody (M02), clone F12

**Catalog Number:** H00007083-M02

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full length recombinant TK1.

**Clone Name:** F12

**Immunogen:** TK1 (AAH07986.1, 1 a.a. ~ 234 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

MSCINLPTVLPGPSKTRGQIQVILGPMFSGKSTELMR  
RVRRFQIAQYKCLVIKYAKDTRYSSSFCTHDRNTMEAL  
PACLLRDVAQEALGVAVIGIDEGQFFPDIVEFCEAMAN  
AGKTVIVAALDGTFRKPFGAILNLVPLAESVVKLTAVC  
MECFREAAAYTKRLGTEKEVEVIGGADKYHSVCRLCYF  
KKASGQPAGPDNKENCPVPGKPGEAVAARKLFAPQQI  
LQCSPAN

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IHC-P, IP, RNAi-Ab, S-ELISA, WB-Ce, WB-Re, WB-Tr

(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG2a Kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 7083

**Gene Symbol:** TK1

**Gene Alias:** TK2

**References:**

1. Early assessment of tumor response to JAC106, an anti-tubulin agent, by 3'-deoxy-3'-[(18)F]fluorothymidine in preclinical tumor models. Lee SJ, Kang HY, Kim SY, Chung JH, Oh SJ, Ryu JS, Kim SB, Kang JS, Park SK, Kim HM, Kim MH, Moon DH. Eur J Nucl Med Mol Imaging. 2011 Apr 12. [Epub ahead of print]
2. The histone deacetylase inhibitor PXD101 increases the efficacy of irinotecan in in vitro and in vivo colon cancer models. Na YS, Jung KA, Kim SM, Hong YS, Ryu MH, Jang SJ, Moon DH, Cho DH, Kim JC, Lee JS, Kim TW. Cancer Chemother Pharmacol. 2010 Nov 3. [Epub ahead of print]
3. Induction of thymidine kinase 1 after 5-fluorouracil as a mechanism for 3'-deoxy-3'-[(18)F]fluorothymidine flare. Lee SJ, Kim SY, Chung JH, Oh SJ, Ryu JS, Hong YS, Kim TW, Moon DH. Biochem Pharmacol. 2010 Aug 17. [Epub ahead of print]