



# TOK-1 rabbit pAb

Cat No.:ES6850

For research use only

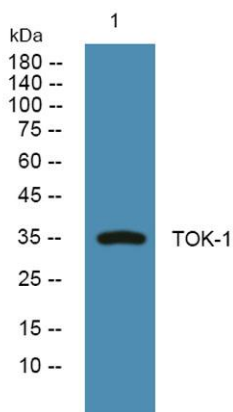
## Overview

<b>Product Name</b>	TOK-1 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
<b>Immunogen</b>	Synthesized peptide derived from TOK-1 . at AA range: 60-140
<b>Specificity</b>	TOK-1 Polyclonal Antibody detects endogenous levels of TOK-1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	BRCA2 and CDKN1A-interacting protein
<b>Gene Name</b>	BCCIP
<b>Cellular localization</b>	Nucleus . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole . Cytoplasm, cytoskeleton, spindle pole . Colocalizes with BRCA2 in discrete nuclear foci (PubMed:15713648). In interphase, preferential localizes to the mother centri
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	35kD
<b>Human Gene ID</b>	56647
<b>Human Swiss-Prot Number</b>	Q9P287
<b>Alternative Names</b>	BCCIP; TOK1; BRCA2 and CDKN1A-interacting protein; P21- and CDK-associated protein 1; Protein TOK-1
<b>Background</b>	This gene product was isolated on the basis of its





interaction with BRCA2 and p21 proteins. It is an evolutionarily conserved nuclear protein with multiple interacting domains. The N-terminal half shares moderate homology with regions of calmodulin and M-calpain, suggesting that it may also bind calcium. Functional studies indicate that this protein may be an important cofactor for BRCA2 in tumor suppression, and a modulator of CDK2 kinase activity via p21. This protein has also been implicated in the regulation of BRCA2 and RAD51 nuclear focus formation, double-strand break-induced homologous recombination, and cell cycle progression. Multiple transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008],



Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4° over night

