



# CTIP (Phospho Ser327) rabbit pAb

<b>Catalog No</b>	BYab-01484
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB; ELISA
<b>Gene Name</b>	RBBP8 CTIP
<b>Protein Name</b>	CTIP (Phospho Ser327)
<b>Immunogen</b>	Synthesized peptide derived from human CTIP (Phospho Ser327)
<b>Specificity</b>	This antibody detects endogenous levels of Human,Mouse CTIP (Phospho Ser327)
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1:1000-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	DNA endonuclease RBBP8 (EC 3.1.-.-;CtBP-interacting protein;CtIP;Retinoblastoma-binding protein 8;RBBP-8;Retinoblastoma-interacting protein and myosin-like;RIM;Sporulation in the absence of SPO11 protein 2 homolog;SAE2)
<b>Observed Band</b>	100kD
<b>Cell Pathway</b>	Nucleus . Chromosome . Associates with sites of DNA damage in S/G2 phase (PubMed:10764811, PubMed:25349192). Ubiquitinated RBBP8 binds to chromatin following DNA damage (PubMed:16818604). .
<b>Tissue Specificity</b>	Expressed in ER-positive breast cancer lines, but tends to be down-regulated ER-negative cells (at protein level).
<b>Function</b>	function:May modulate the functions ascribed to BRCA1 in transcriptional regulation, DNA repair, and/or cell cycle checkpoint control.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR. Hyperphosphorylation upon ionizing radiation results in dissociation from BRCA1.,PTM:Ubiquitinated; mediated by SIAH1 and leading to its subsequent proteasomal degradation.,subcellular location:Predominantly nuclear.,subunit:Interacts with

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CTBP, with the C-terminal (BRCT) domains of BRCA1, and with the retinoblastoma protein.,

#### Background

The protein encoded by this gene is a ubiquitously expressed nuclear protein. It is found among several proteins that bind directly to retinoblastoma protein, which regulates cell proliferation. This protein complexes with transcriptional co-repressor CTBP. It is also associated with BRCA1 and is thought to modulate the functions of BRCA1 in transcriptional regulation, DNA repair, and/or cell cycle checkpoint control. It is suggested that this gene may itself be a tumor suppressor acting in the same pathway as BRCA1. Three transcript variants encoding two different isoforms have been found for this gene. More transcript variants exist, but their full-length natures have not been determined. [provided by RefSeq, Jul 2008],

#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images

Western Blot analysis of 1 A431 treated with LPS, 2 A431,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000