



CTIP (Phospho Ser327) rabbit pAb

Catalog No	YP-Ab-01484
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB; ELISA
Gene Name	RBBP8 CTIP
Immunogen	Synthesized peptide derived from human CTIP (Phospho Ser327)
Specificity	This antibody detects endogenous levels of Human,Mouse CTIP (Phospho Ser327)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	COM1;COM1_HUMAN;CtBP interacting protein;CtBP-interacting protein;CtIP; DNA endonuclease RBBP8;JWDS;RBBP-8;RBBP8;Retinoblastoma-binding protein 8;Retinoblastoma-interacting protein and myosin-like;Rim;SAE2;SCKL2; Sporulation in the absence of SPO11 protein 2 homolog;RBBP8 CTIP;CTIP (Phospho Ser327);DNA endonuclease RBBP8 (EC 3.1.-.-;SAE2)
Observed Band	100kD
Calculated Molecular Weight	100kD
Cell Pathway	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). .
Tissue Specificity	Expressed in ER-positive breast cancer lines, but tends to be down-regulated ER-negative cells (at protein level).
Function	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 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