

Product datasheet

Anti-CtIP antibody ab96773

画像数 1

製品の概要

製品名	Anti-CtIP antibody
製品の詳細	Rabbit polyclonal to CtIP
由来種	Rabbit
アプリケーション	適用あり: WB
種交差性	交差種: Human 交差が予測される動物種: Rhesus monkey 
免疫原	Recombinant fragment corresponding to Human CtIP. Database link: Q99708
ポジティブ・コントロール	A431, H1299, HeLa, HepG2 and Raji cell lines. HepG2 whole cell lysate.

法規制情報

医薬用外毒物

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.01% Thimerosal (merthiolate) Constituents: 10% Glycerol, 0.1M Tris, 0.1M Glycine, pH 7.0
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab96773** in the following tested applications.

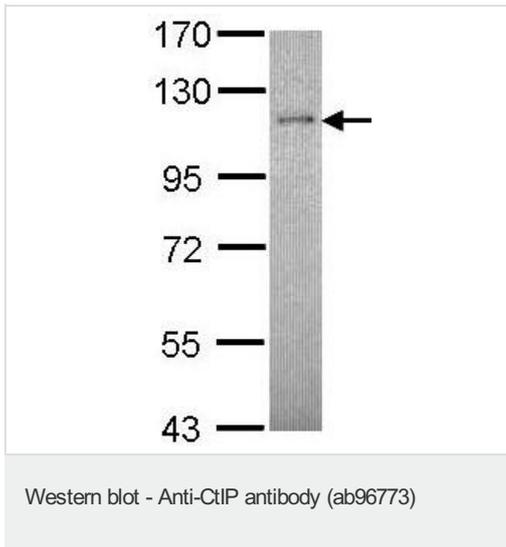
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Predicted molecular weight: 102 kDa.

ターゲット情報

機能	Endonuclease that cooperates with the MRE11-RAD50-NBN (MRN) complex in processing meiotic and mitotic double-strand breaks (DSBs) by ensuring both resection and intrachromosomal association of the broken ends. Functions downstream of the MRN complex and ATM, promotes ATR activation and its recruitment to DSBs in the S/G2 phase facilitating the generation of ssDNA. Component of the BRCA1-RBBP8 complex that regulates CHEK1 activation and controls cell cycle G2/M checkpoints on DNA damage. Promotes microhomology-mediated alternative end joining (A-NHEJ) during class-switch recombination and plays an essential role in chromosomal translocations.
関連疾患	Seckel syndrome 2 Jawad syndrome Genetic variability in RBBP8 is noted as a factor in BRCA1-associated breast cancer risk (PubMed:21799032). Exhibits sensitivity to tamoxifen in certain breast cancer cell lines (PubMed:18171986).
配列類似性	Belongs to the COM1/SAE2/CtIP family.
ドメイン	The PXDLS motif binds to a cleft in CtBP proteins. The damage-recruitment motif is required for DNA binding and translocation to sites of DNA damage.
翻訳後修飾	Acetylated. Deacetylation by SIRT6 upon DNA damage promotes DNA end resection. Hyperphosphorylation upon ionizing radiation results in dissociation from BRCA1. Phosphorylation at Thr-847 by CDK1 is essential for the recruitment to DNA and the DNA repair function. Phosphorylated on Ser-327 as cells enter G2 phase. This phosphorylation is required for binding BRCA1 and for the G2/M DNA damage transition checkpoint control. Ubiquitinated (PubMed:14654780, PubMed:16818604). Ubiquitination at multiple sites by BRCA1 (via its N-terminal RING domain) does not lead to its proteosomal degradation but instead the ubiquitinated RBBP8 binds to chromatin following DNA damage and may play a role in G2/M checkpoint control (PubMed:16818604). Ubiquitinated by RNF138 at its N-terminus (PubMed:26502057).
細胞内局在	Nucleus. Chromosome. Associates with sites of DNA damage in S/G2 phase (PubMed:10764811). Ubiquitinated RBBP8 binds to chromatin following DNA damage (PubMed:16818604).

画像



Anti-CtIP antibody (ab96773) at 1/5000 dilution + Hep G2 whole cell lysate at 30 μ g

Predicted band size: 102 kDa

7.5% SDS PAGE

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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