

Phospho-Chk1 (Ser345) Ab

Cat.#: AF3008
Size: 100ul,200ul

Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: kDa
Clonality: Polyclonal

Application:	IHC 1:50-1:200, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-Chk1 (Ser345) Ab detects endogenous levels of Chk1 only when phosphorylated at Serine 345.
Immunogen:	A synthesized peptide derived from human Chk1 around the phosphorylation site of Serine 345.
Uniprot:	O14757
Description:	DNA damage induced protein phosphorylation; regulation of mitotic centrosome separation; regulation of S phase; peptidyl-threonine phosphorylation; DNA repair; chromatin-mediated maintenance of transcription; negative regulation of mitosis;
Subcellular Location:	Cytoskeleton;Nucleus;
Tissue Specificity:	Expressed ubiquitously with the most abundant expression in thymus, testis, small intestine and colon.
Similarity:	The autoinhibitory region (AIR) inhibits the activity of the kinase domain.Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. NIM1 subfamily.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Phospho-Chk1 (Ser345) Ab for IHC in human brain.



AF3008 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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