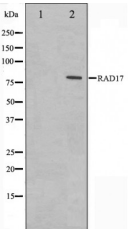
RAD17 Ab

Cat.#: AF0110	Concn.: 1mg/ml	Mol.Wt.: 77kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB: 1:500~1:3000, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	RAD17 Ab detects endogenous levels of total RAD17.
Immunogen:	A synthesized peptide derived from human RAD17.
Uniprot:	O75943
Description:	Rad17 a cell cycle checkpoint gene required for cell cycle arrest and DNA damage repair in response to DNA damage. Shares strong similarity with DNA replication factor C (RFC), and can form a complex with RFCs. Binds to chromatin prior to DNA damage and is phosphorylated by ATR after the damage. Phosphorylated and activated after DNA damage, inducing cell cycle G2 arrest. Eight alternatively spliced variants have been reported.
Subcellular Location:	Nucleus. Phosphorylated form redistributes to discrete nuclear foci upon DNA damage.
Tissue Specificity:	Overexpressed in various cancer cell lines and in colon carcinoma (at protein level). Isoform 2 and isoform 3 are the most abundant isoforms in non irradiated cells (at protein level). Ubiquitous at low levels. Highly expressed in testis, where it is expressed within the germinal epithelium of the seminiferous tubuli. Weakly expressed in seminomas (testicular tumors).
Similarity:	Belongs to the rad17/RAD24 family.
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.



Western blot analysis on HeLa cell lysate using RAD17 Ab.The lane on the left is treated with the antigen-specific peptide.

AF0110 staining HeLa cells 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(Cat.# S0006), diluted at 1/600, was used as 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.