Cleaved-Caspase 3 (Asp175), p17 Antibody

Cat.#: AF7022  
Concn.: 1mg/ml  
Mol.Wt.: 17kDa  
Size: 50ul, 100ul, 200ul  
Source: Rabbit  
Clonality: Polyclonal

Application:  
WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500,  
ELISA(peptide) 1:20000-1:40000, ELISA(peptide) 1:20000-1:40000

Reactivity:  
Human, Mouse, Rat

Purification:  
The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Specificity:  
Cleaved-Caspase 3 (Asp175,p17) Antibody detects endogenous levels of fragment of activated Caspase 3 resulting from cleavage adjacent to Asp175.

Immunogen:  
The antiserum was produced against synthesized peptide derived from human Caspase 3.

Uniprot:  
P42574

Description:  
This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce 2 subunits, large and small, that dimerize to form the active enzyme.

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 13 months from date of receipt.

Western blot analysis of extracts from 293t, using Cleaved Caspase 3 Antibody. The lane on the left was treated with blocking peptide.
Western blot analysis of extracts from various samples, using Cleaved Caspase 3 Antibody.
Lane 1: Hela treated with blocking peptide;
Lane 2: Hela (etoposide treated, 25µM 5h);
Lane 3: MCF7 (etoposide treated, 25µM 5h);
Lane 4: Mouse heart;
Lane 5: Mouse spleen.

AF7022 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.

AF7022 at 1/100 staining human ehrlich carcinomma tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.

AF7022 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AF7022 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.

**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.