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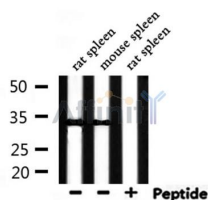
## Phospho-Caspase 3 (Ser150) Ab

Cat.#: AF3311  
Size: 100ul,200ul

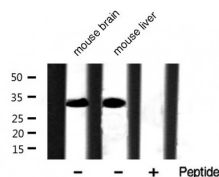
Concn.: 1mg/ml  
Source: Rabbit

Mol.Wt.: 34kDa  
Clonality: Polyclonal

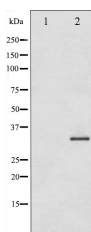
|                               |                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application:                  | WB 1:500-1:2000 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-Caspase 3 (Ser150) Ab detects endogenous levels of Caspase 3 only when phosphorylated at Serine 150.                                                                                                                                                                                                                                                                                       |
| Immunogen:                    | A synthesized peptide derived from human Caspase 3 around the phosphorylation site of Serine 150.                                                                                                                                                                                                                                                                                                  |
| 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. |
| Subcellular Location:         | Cytoplasm.                                                                                                                                                                                                                                                                                                                                                                                         |
| Tissue Specificity:           | Highly expressed in lung, spleen, heart, liver and kidney. Moderate levels in brain and skeletal muscle, and low in testis. Also found in many cell lines, highest expression in cells of the immune system.                                                                                                                                                                                       |
| Similarity:                   | Belongs to the peptidase C14A 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.                                                                                                                                                                                                                                       |



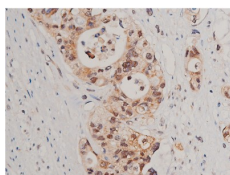
Western blot analysis of extracts from rat spleen, mouse spleen, using Phospho-Caspase 3 (Ser150) Ab.



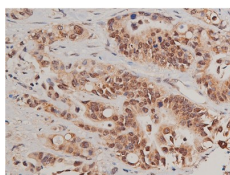
Western blot analysis of extracts of various tissue sample, using Phospho-Caspase 3 (Ser150) Ab .



Western blot analysis of Caspase 3 phosphorylation expression in Etoposide treated Jurkat whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



AF3311 at 1/50 staining human colon cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



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AF3311 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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