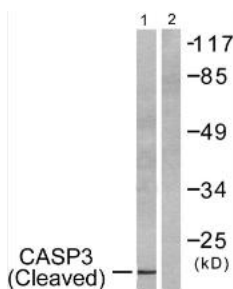
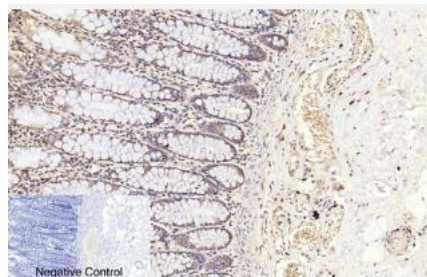


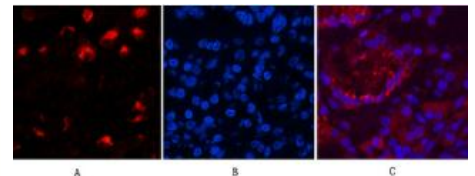
<b>Cat. No:</b>	AB-83240
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100 ug
<b>Clone:</b>	POLY
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	The antiserum was produced against synthesized peptide derived from human Caspase 3. AA range:126- 175
<b>Reactivity:</b>	Hu, Ms, Rt
<b>Applications:</b>	Western blot: 1:500-1:2000 Immunohistochemistry (paraffin embedded tissues): 1:50-300 Immunofluorescence: 1:50-300
<b>Molecular Weight:</b>	17kDa, 34kDa
<b>Purification:</b>	The antibody was affinity- purified from rabbit antiserum by affinity- chromatography using epitope- specific immunogen.
<b>Synonyms:</b>	CASP3; CPP32; Caspase-3; CASP-3; Apopain; Cysteine protease CPP32; CPP-32; Protein Yama; SREBP cleavage activity 1; SCA- 1
<b>Background:</b>	caspase 3(CASP3) Homo sapiens 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 two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 6, 7 and 9, and the protein itself is processed by caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease. Alternative splicing of this gene results in two transcript variants that encode the same protein.
<b>Form:</b>	Liquid
<b>Buffer:</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage:</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.



Western blot analysis of lysates from 293 cells, treated with Etoposide 25uM 60', using Caspase 3 (Cleaved-Asp175)



Immunohistochemical analysis of paraffin-embedded Human-colon tissue.  
1,Cleaved-Caspase-3 p17 (D175)



Immunofluorescence analysis of Human-lung-cancer tissue.  
1,Cleaved-Caspase-3 p17 (D175) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight).  
2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature,

Antibody. The lane on the right is blocked with the synthesized peptide.

Polyclonal Antibody was diluted at 1:200(4°C,overnight).  
2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min).  
3,Secondary antibody was diluted at 1:200(room temperature, 30min).  
Negative control was used by secondary antibody only.

50min).  
3, Picture B: DAPI(blue) 10min.  
Picture A:Target.  
Picture B: DAPI.  
Picture C: merge of A+B

**For Research use only  
IMMUNOLOGICAL SCIENCES**