

## Caspase-6 Polyclonal Antibody

<b>Catalog No :</b>	YT0658
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Caspase-6
<b>Fields :</b>	>>Apoptosis;>>Lipid and atherosclerosis
<b>Gene Name :</b>	CASP6
<b>Protein Name :</b>	Caspase6
<b>Human Gene Id :</b>	839
<b>Human Swiss Prot No :</b>	P55212
<b>Mouse Gene Id :</b>	12368
<b>Mouse Swiss Prot No :</b>	O08738
<b>Rat Swiss Prot No :</b>	O35397
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human Caspase 6. AA range:223-272
<b>Specificity :</b>	Caspase-6 Polyclonal Antibody detects endogenous levels of Caspase-6 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

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**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 35kD

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**Cell Pathway :** Apoptosis\_Inhibition;Apoptosis\_Mitochondrial;Apoptosis\_Overview;

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**Background :** This gene encodes a member of the cysteine-aspartic acid protease (caspase) family of enzymes. 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 acid residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein is processed by caspases 7, 8 and 10, and is thought to function as a downstream enzyme in the caspase activation cascade. Alternative splicing of this gene results in multiple transcript variants that encode different isoforms. [provided by RefSeq, Oct 2015],

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**Function :** catalytic activity:Strict requirement for Asp at position P1 and has a preferred cleavage sequence of Val-Glu-His-Asp-[-..enzyme regulation:Activation is suppressed by phosphorylation at Ser-257.,function:Involved in the activation cascade of caspases responsible for apoptosis execution. Cleaves poly(ADP-ribose) polymerase in vitro, as well as lamins. Overexpression promotes programmed cell death.,PTM:Cleavages by caspase-3, caspase-8 or -10 generate the two active subunits.,similarity:Belongs to the peptidase C14A family.,subunit:Heterotetramer that consists of two anti-parallel arranged heterodimers, each one formed by a 18 kDa (p18) and a 11 kDa (p11) subunit.,

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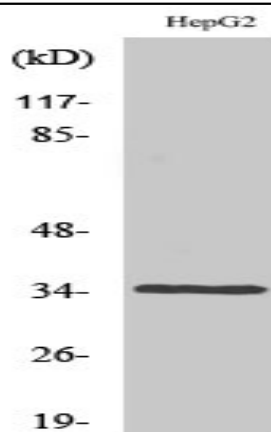
**Subcellular Location :** Cytoplasm . Nucleus .

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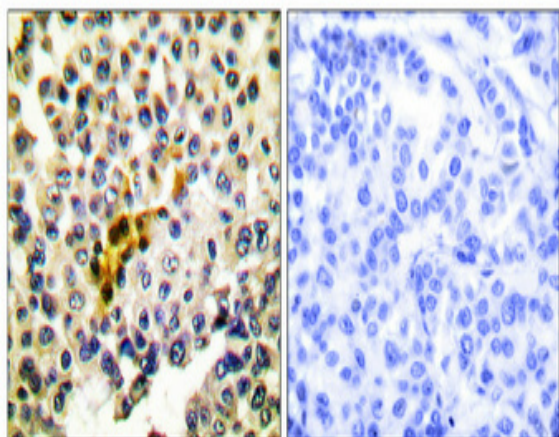
**Expression :** Lung,Lymphocyte,T-cell,

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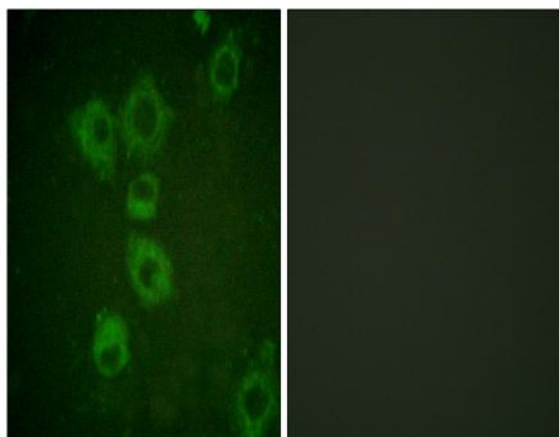
## Products Images



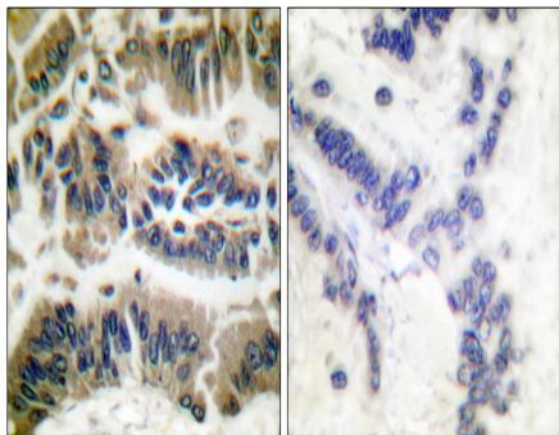
Western Blot analysis of various cells using Caspase-6 Polyclonal Antibody diluted at 1:1000



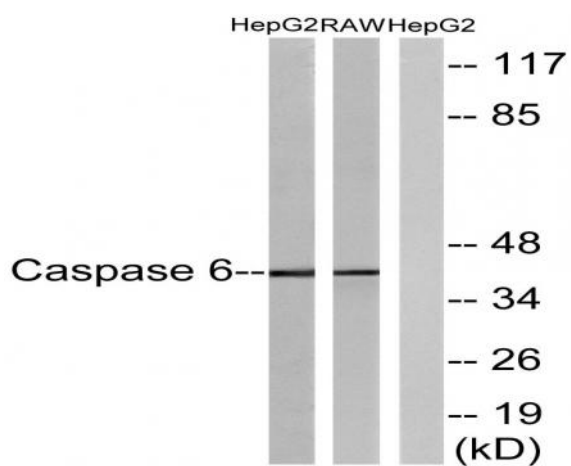
Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunofluorescence analysis of HUVEC cells, using Caspase 6 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Caspase 6 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 and RAW264.7 cells, using Caspase 6 Antibody. The lane on the right is blocked with the synthesized peptide.