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Rabbit Anti-phospho-Caspase 6 (Ser257)/Cy5 Conjugated antibody

SL5240R-Cy5

Product Name	Anti-phospho-Caspase 6 (Ser257)/Cy5
Chinese Name	Cy5 标记的磷酸化半胱胺酸蛋白酶蛋白 6 抗体
Alias	Apoptosis-related cysteine protein; Apoptosis Related Cysteine Protease; Apoptotic cysteine protease MCH2; Apoptotic protease MCH 2; Apoptotic protease MCH2; Casp 6; Casp6; Caspase 6 apoptosis related cysteine protease; Caspase 6 precursor; Caspase6; Human cysteine protease Mch2 isoform alpha; Mch 2; Mch2; CASP6_HUMAN.
Product Type	Phosphorylated anti
Research Area	Cell biology immunology Neurobiology Signal transduction Apoptosis
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse(predicted:Human,Rat)
Applications	Flow-Cyt=1ug/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	11/33kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated Synthesised phosphopeptide derived from human Caspase 6 around the phosphorylation site of Ser257
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:**

Caspase-6 is 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. Subunit is compose of heterodimer of a18 kDa (p18) and a 11 kDa (p11) subunit. Subcellular location at cytoplasmic. Cleavages by CPP32, caspase-8 or -10 generate the two active subunits. It belongs to the peptidase C14 family.

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.

Subunit:
Heterotetramer that consists of two anti-parallel arranged heterodimers, each one formed by a 18 kDa (p18) and a 11 kDa (p11) subunit. Interacts with BIRC6/bruce.

Subcellular Location:
Cytoplasm.

Post-translational modifications:
Cleavages by caspase-3, caspase-8 or -10 generate the two active subunits.

Similarity:
Belongs to the peptidase C14A family.

Database links:

Entrez Gene: 839 Human

Entrez Gene: 12368 Mouse

Entrez Gene: 83584 Rat

Omim: 601532 Human

SwissProt: P55212 Human

SwissProt: O08738 Mouse

SwissProt: O35397 Rat

Unigene: 654616 Human

Unigene: 281379 Mouse

Unigene: 88160 Rat

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Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Caspase-6 与 Caspase-3 有 38%的同源性，属胱氨酸-天冬氨酸蛋白酶家族。在凋亡执行阶段起中心作用，可被 Caspase-7、-8、-10 剪切。它是唯一一个可以剪切核纤层蛋白的 Caspase.