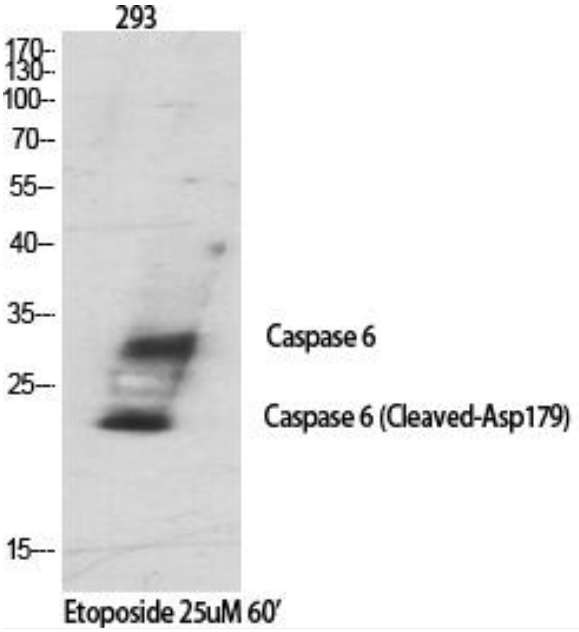
Cleaved-Caspase-6 p18 (D179) Monoclonal Antibody

Catalog No	YP-mAb-00006
Isotype	IgG
Reactivity	Human;Rat
Applications	WB
Gene Name	CASP6
Protein Name	Caspase6
Immunogen	The antiserum was produced against synthesized peptide derived from human Caspase 6. AA range:130-179
Specificity	Cleaved-Caspase-6 p18 (D179) Monoclonal Antibody detects endogenous levels of fragment of activated Caspase-6 p18 protein resulting from cleavage adjacent to D179.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CASP6; MCH2; Caspase-6; CASP-6; Apoptotic protease Mch-2
Observed Band	20 35kD
Cell Pathway	Cytoplasm . Nucleus .
Tissue Specificity	Lung,Lymphocyte,T-cell,
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.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Cleaved-Caspase-6 p18 (D179) Monoclonal Antibody