



# Anti-CASP6 (aa 26-125) polyclonal antibody (DPAB-DC3446)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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 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 two transcript variants that encode different isoforms.
<b>Immunogen</b>	CASP6 (NP_001217, 26 a.a. ~ 125 a.a) partial recombinant protein with GST tag. The sequence is YKREMFDPAEKYKMDHRRRGIALIFNHERFFWHLTLPERRGTCADRDNLTRRFSDLGFEV KCFNDLKAEEELLLKIHEVSTVSHADADCFVCVFLSHGEGN
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CASP6 caspase 6, apoptosis-related cysteine peptidase [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CASP6
<b>Synonyms</b>	CASP6; caspase 6, apoptosis-related cysteine peptidase; MCH2; caspase-6; apoptotic protease MCH-2; caspase 6, apoptosis-related cysteine protease;
<b>Entrez Gene ID</b>	<a href="#">839</a>
<b>Protein Refseq</b>	<a href="#">NP_001217</a>
<b>UniProt ID</b>	<a href="#">P55212</a>
<b>Chromosome Location</b>	4q25
<b>Pathway</b>	Apoptosis; Apoptosis Modulation and Signaling; Apoptotic cleavage of cellular proteins; Breakdown of the nuclear lamina
<b>Function</b>	cysteine-type endopeptidase activity; cysteine-type peptidase activity; identical protein binding; protein binding