

## Product datasheet for **TA328125**

### Caspase 3 (CASP3) Mouse Monoclonal Antibody [Clone ID: 1262CT521.280.101]

#### Product data:

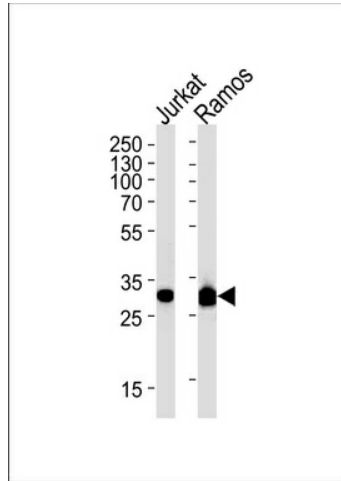
Product Type:	Primary Antibodies
Clone Name:	1262CT521.280.101
Applications:	WB
Recommended Dilution:	WB: 1:2000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified His-tagged CASP3 protein was used to produced this monoclonal antibody.
Formulation:	PBS with 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	caspase 3
Database Link:	<a href="#">NP_116786</a> <a href="#">Entrez Gene 836 Human</a> <a href="#">P42574</a>
Background:	Involved in the activation cascade of caspases responsible for apoptosis execution. At the onset of apoptosis it proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at a '216-Asp- -Gly-217' bond. Cleaves and activates sterol regulatory element binding proteins (SREBPs) between the basic helix-loop-helix leucine zipper domain and the membrane attachment domain. Cleaves and activates caspase-6, -7 and -9. Involved in the cleavage of huntingtin. Triggers cell adhesion in sympathetic neurons through RET cleavage.
Synonyms:	CPP32; CPP32B; SCA-1
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Protease



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**Protein Pathways:**

Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Colorectal cancer, Epithelial cell signaling in Helicobacter pylori infection, Huntington's disease, MAPK signaling pathway, Natural killer cell mediated cytotoxicity, p53 signaling pathway, Parkinson's disease, Pathways in cancer, Viral myocarditis

**Product images:**

CASP3 Antibody (Cat. #TA328125) western blot analysis in Jurkat, Ramos cell line lysates (35ug/lane). This demonstrates the CASP3 antibody detected the CASP3 protein (arrow).