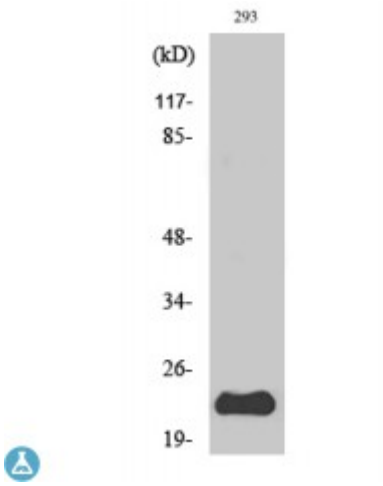
Anti-PUMA antibody



Description	PUMA is a protein encoded by the BBC3 gene which is approximately 26,5 kDa. PUMA is localised to the mitochondrion. It is involved in apoptosis modulation and signalling, activation of BH3-only proteins, DNA damage response and CDK-mediated phosphorylation and removal of Cdc6. This protein falls under the BCL-2 protein family. It cooperates with direct activator proteins to induce mitochondrial outer membrane permeabilization and apoptosis. It can bind to anti-apoptotic Bcl-2 family members to induce mitochondrial dysfunction and caspase activation. It is also an essential mediator of p53/TP53-dependent and p53/TP53-independent apoptosis. PUMA is expressed ubiquitously. STJ95272 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of PUMA protein.

Model	STJ95272
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human PUMA.
Immunogen Region	C-terminal
Gene ID	27113
Gene Symbol	BBC3
Dilution range	WB 1:500-1:2000ELISA 1:10000
Specificity	PUMA Polyclonal Antibody detects endogenous levels of PUMA protein.

Tissue Specificity	Ubiquitously expressed.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Bcl-2-binding component 3 JFY-1 p53 up-regulated modulator of apoptosis
Molecular Weight	23 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:17868OMIM:605854
Alternative Names	Bcl-2-binding component 3 JFY-1 p53 up-regulated modulator of apoptosis
Function	Essential mediator of p53/TP53-dependent and p53/TP53-independent apoptosis. Functions by promoting partial unfolding of BCL2L1 and dissociation of BCL2L1 from p53/TP53. Regulates ER stress-induced neuronal apoptosis.
Sequence and Domain Family	The BH3 motif is intrinsically disordered.
Cellular Localization	Mitochondrion. Localized to the mitochondria in order to induce cytochrome c release.