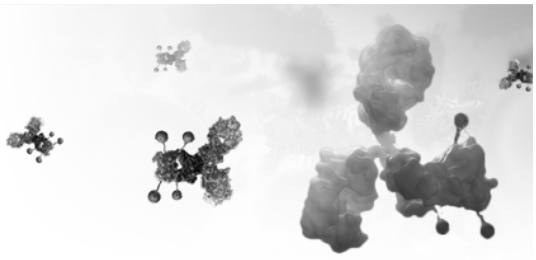

Rabbit Anti-BBC3 monoclonal antibody, clone TS53-10 (CABT-L580)

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

PRODUCT INFORMATION

Target	PUMA
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TS53-10
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, FC
Molecular Weight	18 kDa
Cellular Localization	Mitochondrion.
Positive Control	K562, SKOV-3, Hela, human breast carcinoma tissue, mouse small intestine tissue, human gastric carcimnoma tissue, mouse stomach tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

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Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	The expression of PUMA is regulated by the tumor suppressor p53. PUMA is involved in p53-dependent and -independent apoptosis induced by a variety of signals, and is regulated by transcription factors, not by post-translational modifications. After activation, PUMA interacts with antiapoptotic Bcl-2 family members, thus freeing Bax and/or Bak which are then able to signal apoptosis to the mitochondria. Following mitochondrial dysfunction, the caspase cascade is activated ultimately leading to cell death. Several studies have shown that PUMA function is affected or absent in cancer cells. Additionally, many human tumors contain p53 mutations, which results in no induction of PUMA, even after DNA damage induced through irradiation or chemotherapy drugs.Other cancers, which exhibit overexpression of antiapotptic Bcl-2 family proteins, counteract and overpower PUMA-induced apoptosis.
Keywords	BBC 3;Bbc3;BBC3_HUMAN;BCL 2 binding component 3;Bcl-2-binding component 3;BCL2 binding component 3;JFY 1;JFY-1;JFY1;p53 up regulated modulator of apoptosis;p53 up-regulated modulator of apoptosis;p53 Upregulated Modulator of Apoptosis;PUMA alpha;PUMA/JFY1 antibody

GENE INFORMATION

Entrez Gene ID	2309

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