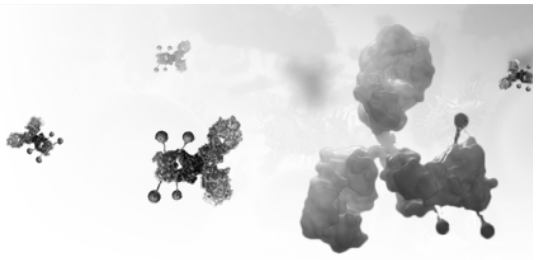

Anti-BAX monoclonal antibody, clone TQ58 (DCABH-10714)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein forms a heterodimer with BCL2, and functions as an apoptotic activator. This protein is reported to interact with, and increase the opening of, the mitochondrial voltage-dependent anion channel (VDAC), which leads to the loss in membrane potential and the release of cytochrome c. The expression of this gene is regulated by the tumor suppressor P53 and has been shown to be involved in P53-mediated apoptosis. Multiple alternatively spliced transcript variants, which encode different isoforms, have been reported for this gene.
Specificity	This antibody is specific for human BAX protein. Cross-reactivity with BAX protein from other sources has not been determined.
Immunogen	A synthetic peptide corresponding to internal region of human BAX.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	TQ58
Purification	Protein A purification
Conjugate	Unconjugated
Applications	Western Blot; Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections); ELISA
Format	Liquid

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Buffer	In 10 mM KH2PO4, 150 mM NaCl, pH 7.2 (0.1% sodium azide)
Preservative	0.1% Sodium Azide
Storage	Store at 4°C. For long term storage store at -20°C.Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	BAX BCL2-associated X protein [Homo sapiens]
Official Symbol	BAX
Synonyms	BAX; BCL2-associated X protein; apoptosis regulator BAX; BCL2L4; bcl2-L-4; bcl-2-like protein 4; BCL2-associated X protein omega;
Entrez Gene ID	581
Protein Refseq	NP_004315
UniProt ID	Q07812
Chromosome Location	19q13.3-q13.4
Pathway	Activation, translocation and oligomerization of BAX, organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis, organism-specific biosystem;
Function	BH3 domain binding; BH3 domain binding; channel activity; identical protein binding; lipid binding; protein binding; protein heterodimerization activity; protein homodimerization activity; protein homodimerization activity;

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