

Datasheet for 600-401-Z94**BRUCE Antibody****Overview**

Description:	Anti-BRUCE (RABBIT) Antibody - 600-401-Z94
Item No.:	600-401-Z94
Size:	100 µg
Applications:	ELISA, IHC
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Apoptosis, or programmed cell death, is related to many diseases, such as cancer. Apoptosis is triggered by a variety of stimuli including members in the TNF family and can be prevented by the inhibitor of apoptosis (IAP) proteins. IAP proteins form a conserved gene family that binds to and inhibits cell death proteases. BRUCE, also known as BIRC6, is an IAP family member protein with a BIR (baculoviral inhibition of apoptosis protein repeat) domain and a UBCc (ubiquitin-conjugating enzyme E2, catalytic) domain. BRUCE regulates p53 and the mitochondrial pathway of apoptosis by facilitating the degradation of apoptotic proteins such as Caspase-9 and SMAC by ubiquitination.
Synonyms:	BRUCE Antibody, BRUCE, APOLLON, KIAA1289, Baculoviral IAP repeat-containing protein 6, BIR repeat-containing ubiquitin-conjugating enzyme, BRUCE
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BIRC6
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-BRUCE antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the C-terminus of human BRUCE.

Purity/Specificity:	Anti-BRUCE Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. BRUCE antibody is human specific. Multiple isoforms of BRUCE are known to exist.
Relevant Links:	• UniProtKB - Q9NR09 • GeneID - 57448 • NCBI - NP_057336

Application Details

Tested Applications:	ELISA, IHC
Application Note:	Anti-BRUCE Antibody has been tested for use in ELISA and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 530 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
IHC:	5 µg/mL

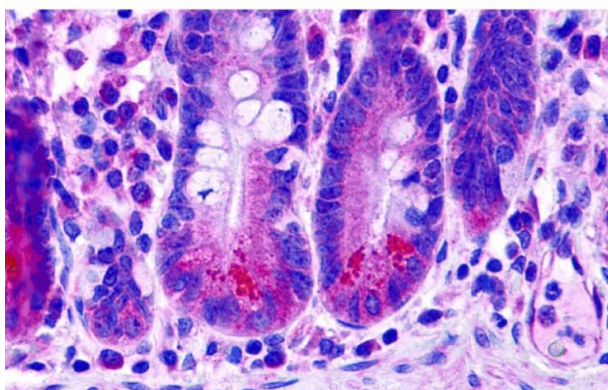
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunohistochemistry of BRUCE antibody. Tissue: human small intestine tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: BRUCE antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: BRUCE is located in the cytoplasm, cytoskeleton, endosome, golgi apparatus, and the cell membrane. Staining: BRUCE is stained with hematoxylin purple nuclear counterstain.

Disclaimer

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