

Product datasheet for **AP05118PU-N**

Bax (beta isoform) Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IP
Recommended Dilution:	Immunoprecipitation. Will NOT detect denatured protein by Western blot.
Reactivity:	Mouse
Host:	Sheep
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to amino acids 172 to 199 of the Bax beta protein
Specificity:	This antibody reacts to Bax-beta.
Formulation:	Phosphate buffered saline with 0.08% sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	The antibody can be shipped at ambient temperature. Store (in aliquots) at -20°C only. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	BCL2-associated X protein
Database Link:	Entrez Gene 12028 Mouse Q07813



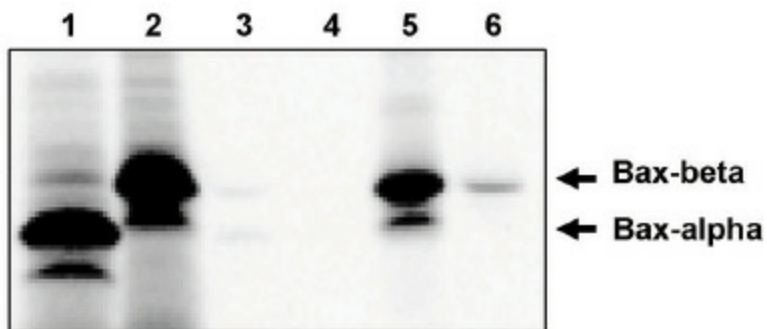
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Background:

Bax-beta is encoded by a 1.5 kb RNA species created by the retention of intron 5 in the bax mRNA transcript. The exon4/intron5 splice junction is evolutionarily conserved and is found in both the human and mouse bax coding regions. The 630 bp intron 5 contributes 60 amino acids to the Bax-beta protein before a stop codon is encountered during translation. The Bax-beta protein is 24 kDa in size and although it contains the BH1, BH2, and BH3 domains identical to Bax, it has a unique carboxyl terminus and does not have a hydrophobic transmembrane domain (Oltvai et al., 1993). Bax-beta mRNA has been found in many mouse tissues using RT-PCR. It is found co-expressed with Bax-alpha in lung, stomach, kidney, thymus, lymph node, bone marrow, pancreas, and spleen. Bax-beta mRNA was very abundant in brain and duodenum with almost no Bax-alpha mRNA detected in these tissues (Oltvai et al., 1993).

Synonyms:

Apoptosis regulator BAX, BCL2L4, Bcl2-L-4

Product images:

Immunoprecipitation of in vitro translated Bax-alpha (1) and Bax-beta (2) using Bax antibody, cln 6A7, Bax-alpha native (3) and denatured protein (4) using Bax-beta antibody, and Bax-beta native (5) and denatured (6) protein using Bax-beta antibody.