

Product datasheet for **TA302647**

Bak (BAK1) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 0.5-1 µg/ml.
Reactivity:	Human (Expected from sequence similarity: Mouse, Rat, Pig)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence ASGQGPGRQE-C, from the N Terminus of the protein sequence according to NP_001179.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	23.2 kDa
Gene Name:	BCL2 antagonist/killer 1
Database Link:	NP_001179 Entrez Gene 12018 Mouse Entrez Gene 116502 Rat Entrez Gene 578 Human Q16611



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Background:

The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form oligomers or heterodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein localizes to mitochondria, and functions to induce apoptosis. It interacts with and accelerates the opening of the mitochondrial voltage-dependent anion channel, which leads to a loss in membrane potential and the release of cytochrome c. This protein also interacts with the tumor suppressor P53 after exposure to cell stress. [provided by RefSeq]

Synonyms:

BAK; BAK-LIKE; BCL2L7; CDN1

Protein Families:

Druggable Genome, Stem cell - Pluripotency, Transmembrane

Product images:


TA302647 staining (0.5ug/ml) of A431 lysate (RIPA buffer, 30ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

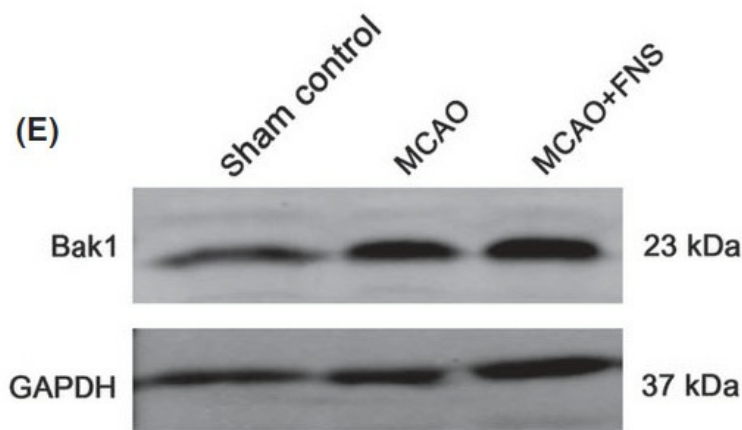


Figure from citation: Western blot analysis of extracts from rat brains by using anti-Bak1 antibody showed the expression of Bak1 protein level was up-regulated in Rats were subjected to 2h of MCAO and 24h reperfusion after FNS. Dilution: 1:500 [View Citation](#)