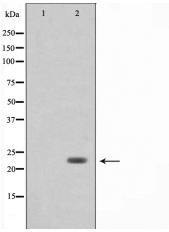
Bak Ab

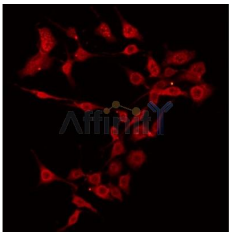
Cat.#: AF0119	Concn.: 1mg/ml	Mol.Wt.: 25kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB: 1:500~1:3000 IHC: 1:50~1:200, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	Bak Ab detects endogenous levels of total Bak.
Immunogen:	A synthesized peptide derived from human Bak.
Uniprot:	Q16611
Description:	Bak1 In the presence of an appropriate stimulus, accelerates programmed cell death by binding to, and antagonizing the anti- apoptotic action of BCL2 or its adenovirus homolog E1B 19k protein. Low micromolar levels of zinc ions inhibit the promotion of apoptosis. Belongs to the Bcl-2 family. Interacts with BCL2A1. Homodimer. Formation of the homodimer is zinc-dependent. Forms heterodimers with BCL2, E1B 19k protein, and BCL2L1 isoform Bcl-X(L). Interacts with myxoma virus protein M11L
Subcellular Location:	Mitochondrion membrane.
Tissue Specificity:	Expressed in a wide variety of tissues, with highest levels in the heart and skeletal muscle.
Similarity:	Intact BH3 motif is required by BIK, BID, BAK, BAD and BAX for their pro-apoptotic activity and for their interaction with anti-apoptotic members of the Bcl-2 family.Belongs to the Bcl-2 family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis on 293 cell lysate using Bak Ab,The lane on the left is treated with the antigen-specific peptide.

AF0119 at 1/200 staining human skeletal muscle tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF0119 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.