

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human BIK in Western Blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human BIK Met1-Gln135 Accession # Q13323
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Bcl-2-interacting killer (BIK; also known as NBK, BP4 and BIP-1) is a 19 kDa member of the BH3-only subfamily, Bcl-2 family of proteins. It is widely expressed, and serves as an initiator of cell death. It apparently participates in apoptosis by sequestering antiapoptotic cytoplasmic proteins of the Bcl-2 family and in autophagy by regulating cytosolic calcium levels. Human BIK-1 is 160 amino acids (aa) in length. It contains one BH3 domain (aa 57-74), a "death segment" (aa 121-134) and a transmembrane domain (aa 136-156). BIK is likely to embed in both outer mitochondrial and ER membranes. Over amino acids 1-135, human BIK shares only 45% aa identity with mouse BIK.

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