

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human BIM _L in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human BIM _L Long (BIM L) Ala2-Arg120 Accession # NP_006529
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.

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

BIM_L (also known as Bod) is one of several splice variants of BIM, a pro-apoptotic protein belonging to the BH3 domain-only subgroup of Bcl-2 family members. BIM_L is thought to promote apoptosis by binding and inhibiting the activity of anti-apoptotic Bcl-2 family members, thereby inducing the release of cytochrome c from mitochondria. BIM_L is normally sequestered in an inactive conformation from anti-apoptotic Bcl-2 family members through binding to the microtubule-associated dynein motor complex. Certain apoptotic stimuli release BIM_L from microtubules to neutralize anti-apoptotic Bcl-2 family members, allowing for the initiation of apoptosis.

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