

## Product datasheet for **AP02527PU-S**

### **Bim (BCL2L11) pSer69/65 Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IF, IHC
<b>Recommended Dilution:</b>	Immunofluorescence: 1/100-1/200. Immunohistochemistry on Paraffin-Embedded Sections: 1/50-1/100.
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	The antiserum was produced against synthesized phosphopeptide derived from Human BIM around the phosphorylation site of Serine 69 (Serine 65 in the Mouse sequence) (P-A-SP-P-G).
<b>Specificity:</b>	This antibody detects endogenous levels of BIM only when phosphorylated at Serine 69.
<b>Formulation:</b>	PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity Chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: One year from despatch.
<b>Gene Name:</b>	BCL2 like 11
<b>Database Link:</b>	<a href="#">Entrez Gene 10018 Human O43521</a>



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**Background:**

Bim, Bcl-2 interacting mediator of cell death, is a pro-apoptotic protein belonging to the Bcl2 family of proteins containing a Bcl2 homology domain 3 (BH3). It is proapoptotic and exerts its effects by interacting with prosurvival members of the Bcl2 family like Bcl2, BclxL and Bclw. Bim is sequestered in an inactive conformation through binding to the microtubule-associated dynein motor complex. Certain apoptotic stimuli release Bim from microtubules, allowing inhibitory binding to anti-apoptotic Bcl-2 family members and subsequent initiation of apoptosis.

**Synonyms:**

Bcl2-L-11, BCL2L11, BIM, BimEL, BimL, BimS

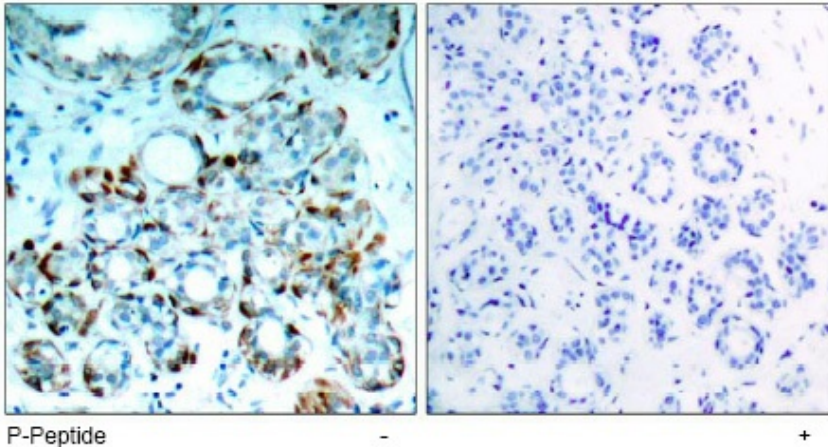
**Product images:**

Figure 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using BIM pSer69 antibody

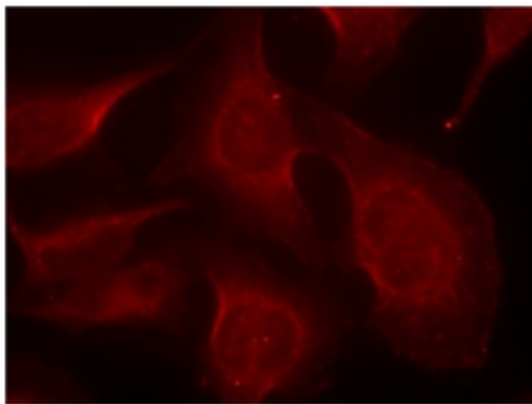


Figure 2. Immunofluorescence staining of methanol-fixed HeLa cells using BIM pSer69 antibody (Red).