

## PUMA Antibody

Catalog No: #24176

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

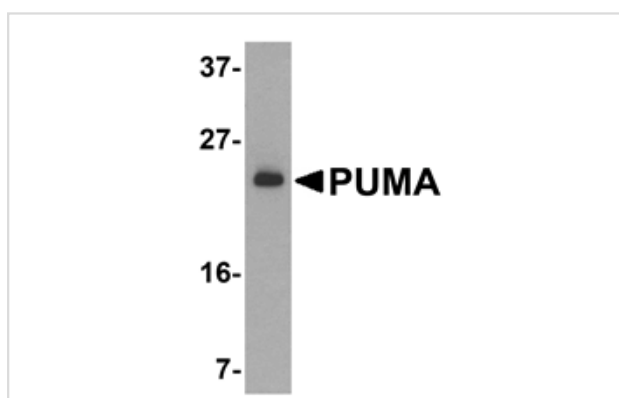
## Description

|                       |   |
|-----------------------|---|
| Product Name          | PUMA Antibody   |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | Affinity chromatography purified via peptide column   |
| Applications          | ELISA WB IHC  |
| Species Reactivity    | Hu  |
| Immunogen Type        | Peptide   |
| Immunogen Description | Raised against a synthetic peptide corresponding to 14 amino acids near the amino terminus of human PUMA-a. This sequence is identical between a and b forms of the PUMA proteins.              |
| Target Name           | PUMA  |
| Other Names           | bbc3  |
| Accession No.         | NP_055232   |
| Concentration         | 1mg/ml  |
| Formulation           | Supplied in PBS containing 0.02% sodium azide.  |
| Storage               | Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

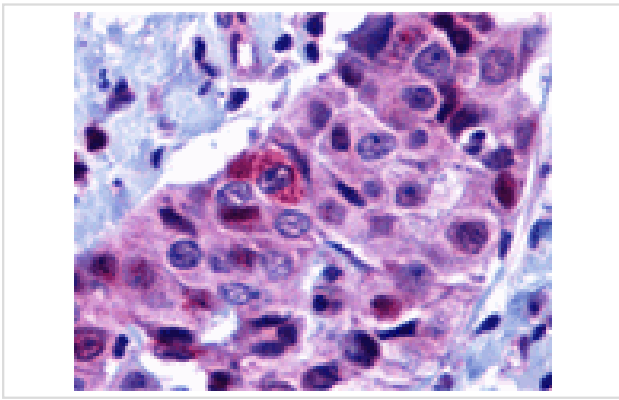
## Application Details

Predicted MW: 23 kd

## Images



Western blot analysis of PUMA expression in K562 cell lysate with PUMA antibody at 2 ug /ml.



Immunohistochemistry of PUMA in human breast carcinoma with PUMA antibody at 10 ug/mL.

## Background

Apoptosis is related to many diseases and development. The p53 tumor-suppressor protein induces apoptosis through transcriptional activation of several genes. A novel p53 inducible pro-apoptotic gene was identified recently and designated PUMA (for p53 upregulated modulator of apoptosis) and bbc3 (for Bcl-2 binding component 3) in human and mouse. PUMA/bbc3 is one of the pro-apoptotic Bcl-2 family members including Bax and Noxa, which are also transcriptional targets of p53. The PUMA gene encodes two BH3 domain-containing proteins termed PUMA-alpha and PUMA-beta. PUMA proteins bind Bcl-2, localize to the mitochondria, and induce cytochrome c release and apoptosis in response to p53. PUMA may be a direct mediator of p53-induced apoptosis.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.