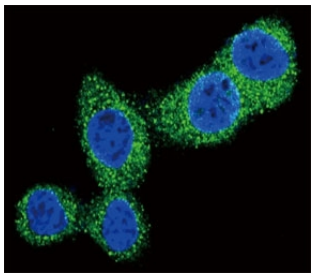
Puma Antibody (F42785)

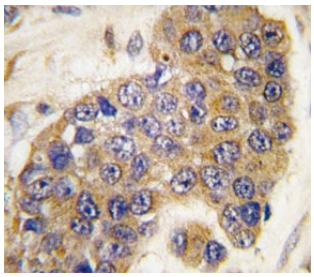
Catalog No.	Formulation	Size
F42785-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F42785-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

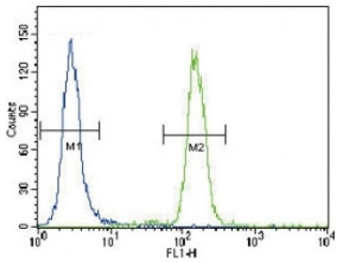
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q9BXH1
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50
Limitations	This Puma antibody is available for research use only.



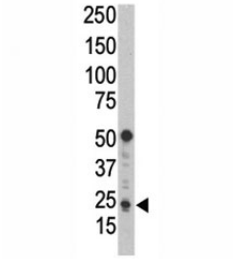
Confocal immunofluorescent analysis of Puma antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



IHC analysis of FFPE human breast carcinoma tissue stained with Puma antibody



Puma antibody flow cytometric analysis of HeLa cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Western blot analysis of Puma antibody and HL-60 cell lysate. Predicted molecular weight: 21kDa.

Description

PUMA 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-a and PUMA-b. 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.

Application Notes

Titration of the Puma antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 119-154 (BH3 domain) from the alpha isoform was used as the immunogen for this Puma antibody.

Storage

Aliquot the Puma antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.