

## Rabbit Polyclonal Antibody to Apoptosis Protease Activating Factor 1 (Apaf-1)

<b>Catalog No.:</b>	RP 136, RP 136-05
<b>Applications:</b>	Research Use Only. Optimal working conditions must be determined by the end user.
<b>Immunogen:</b>	A synthetic peptide derived from C-terminus of human Apaf-1.
<b>Host:</b>	Rabbit
<b>Format:</b>	Purified immunoglobulin fraction of rabbit antiserum against Apaf-1 containing sodium azide as a preservative.
<b>Titer/Working Dilution:</b>	This antibody may be diluted to a titer of 1:50-1:100 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
<b>Staining Protocol:</b>	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining.</u>
<b>Specificity:</b>	Apaf-1 is a cytosolic protein that rests in a latent state until bound by cytochrome c (Apaf-2). The resulting Apaf-1/cytochrome c complex associates with the zymogen form of caspase-9 (Apaf-3) in the presence of dATP or ATP, promoting the autocatalytic activation of caspase-9. This antibody is useful in studies of the activation of caspases through Apaf-1 and also in metastatic melanomas where Apaf-1 is inactivated which leads to defects in the execution of apoptotic cell death. This antibody cross reacts with mouse and rat.
<b>Positive Control:</b>	Testis
<b>Cellular Localization:</b>	Cytoplasmic
<b>Storage:</b>	Store at 2-8°C. Do not use beyond the expiration date stated on the label.

**RUO: Research Use Only**

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

**DBS**

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