

## Polyclonal Antibody to KIAA1967 - Aff - Purified

<b>Alternate names:</b>	DBC-1, DBC.1, DBC1, Deleted in breast cancer gene 1 protein, KIAA1967, p30 DBC
<b>Catalog No.:</b>	AP20449PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	KIAA1967 / DBC-1 (deleted in breast cancer gene 1 protein), also known as p30 DBC protein, is one of the genes located within the region of chromosome 8 (8p21-8p23) that is homozygously deleted in some breast cancers. DBC-1 contains a nuclear localization signal, an N-terminal leucine zipper, an EF hand and a C-terminal coiled-coil region. DBC-1 is closely related to DIS but lacks the SAP domain. During death signaling mediated by TNF $\alpha$ , endogenous DBC-1 undergoes caspase-dependent processing to generate DBC-1 p120 and p66, both of which include the C-terminus of the protein. Both DBC-1 p120 and p66 relocate to the cytoplasm. Overexpression of the DBC-1 p120 form results in mitochondrial clustering and matrix condensation and increases the sensitivity of cells to TNF $\alpha$ -mediated apoptosis. In addition, DBC-1 directly interacts with unliganded ER $\alpha$ , stabilizing its expression and therefore collaborating to suppress apoptosis and promote hormone-independent cell growth.
<b>Uniprot ID:</b>	<a href="#">Q8N163</a>
<b>NCBI:</b>	<a href="#">NP_066997</a>
<b>GeneID:</b>	<a href="#">57805</a>
<b>Host:</b>	Rabbit
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> Affinity chromatography (> 95%; by SDS-PAGE) <b>Buffer System:</b> Phosphate buffered saline (PBS) with 15mM Sodium azide, approx. pH 7.2.
<b>Applications:</b>	<b>Western blot:</b> 1/500-1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Molecular Weight:</b>	~ 102.0 kDa
<b>Specificity:</b>	This antibody detects endogenous levels of KIAA1967 / DBC-1 protein. (region surrounding Gln455)
<b>Species Reactivity:</b>	<b>Tested:</b> Human.
<b>Storage:</b>	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

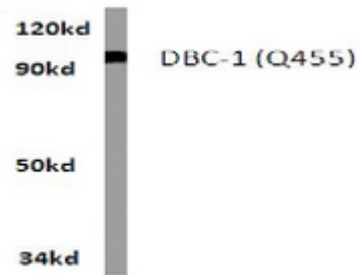
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**Pictures:**

**Western blot** analysis of KIAA1967 / DBC-1 in A549 whole cell lysate using KIAA1967 antibody (Cat.-No. AP20449PU-N).



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