

Product datasheet for **AP20449PU-N**

KIAA1967 (CCAR2) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | Western blot: 1/500-1/1000. |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Specificity: | This antibody detects endogenous levels of KIAA1967 / DBC-1 protein. (region surrounding Gln455) |
| Formulation: | Phosphate buffered saline (PBS) with 15mM Sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction |
| Concentration: | 1.0 mg/ml |
| Purification: | Affinity chromatography (> 95%; by SDS-PAGE) |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | ~ 102.0 kDa |
| Gene Name: | cell cycle and apoptosis regulator 2 |
| Database Link: | Entrez Gene 57805 Human Q8N163 |



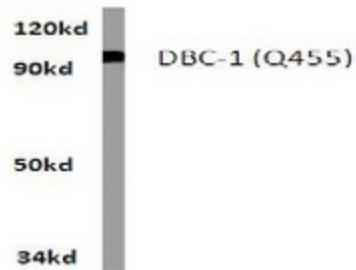
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Background:

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 α , 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 α -mediated apoptosis. In addition, DBC-1 directly interacts with unliganded ER α , stabilizing its expression and therefore collaborating to suppress apoptosis and promote hormone-independent cell growth.

Synonyms:

KIAA1967, DBC1, Deleted in breast cancer gene 1 protein, DBC.1, DBC-1, p30 DBC

Product images:

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