

BRCAA1 Polyclonal Antibody

Catalog No: YT0521

Reactivity: Human; Mouse; Rat

Applications: WB;ELISA

Target: BRCAA1

Gene Name: ARID4B

Protein Name: AT-rich interactive domain-containing protein 4B

Q4LE39

A2CG63

Human Gene Id: 51742

Human Swiss Prot

No:

Mouse Gene ld: 94246

Mouse Swiss Prot

No:

Rat Gene Id: 84481

Rat Swiss Prot No: Q9JKB5

Immunogen: The antiserum was produced against synthesized peptide derived from human

BRCAA1. AA range:761-810

Specificity: BRCAA1 Polyclonal Antibody detects endogenous levels of BRCAA1 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.



Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 148kD

Background: This gene encodes a protein with sequence similarity to retinoblastoma-binding

protein-1. The encoded protein is a subunit of the histone deacetylase-dependant SIN3A transcriptional corepressor complex, which functions in diverse cellular processes including proliferation, differentiation, apoptosis, oncogenesis, and cell fate determination. The gene product is recognized by IgG antibody isolated from a breast cancer patient and appears to be a molecular marker associated with a broad range of human malignancies. Alternate transcriptional splice variants encoding different isoforms have been characterized. [provided by RefSeq, Jul

20081.

Function: domain: The ARID domain is involved in stabilizing the mSin3A corepressor

complex on DNA.,domain:The C-terminus mediates interaction with mSin3A corepressor complex.,domain:The N-terminus is involved in transcriptional repression by HDAC-independent mechanisms.,function:Acts as a transcriptional repressor. May function in the assembly and/or enzymatic activity of the Sin3A corepressor complex or in mediating interactions between the complex and other

regulatory complexes.,similarity:Contains 1 ARID domain.,subcellular location:Cytoplasmic in breast cancer cells.,subunit:Component of a Sin3A corepressor complex consisting of SIN3A, SAP130, SUDS3/SAP45, SAP180, HDAC1 and HDAC2.,tissue specificity:Highly expressed in the testis and in breast, lung, colon, pancreatic and ovarian cancers. Expressed at low levels in

the thymus, prostate and ovary.,

Subcellular
Location:

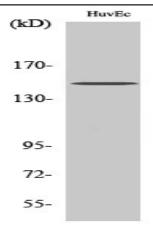
Nucleus . Cytoplasm . Cytoplasmic in breast cancer cells. .

Expression: Highly expressed in the testis and in breast, lung, colon, pancreatic and ovarian

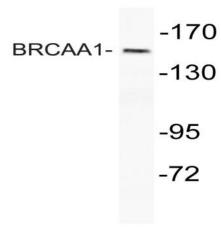
cancers. Expressed at low levels in the thymus, prostate and ovary.

Products Images

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Western Blot analysis of various cells using BRCAA1 Polyclonal Antibody



Western blot analysis of lysate from HUVEC cells, using BRCAA1 antibody.