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## Product Datasheet

### AKT1 antibody (orb344524)

**Description**

AKT1 antibody

**Species/Host**

Mouse

**Reactivity**

Human, Mouse

**Conjugation**

Unconjugated

**Tested**

ELISA, FC, IHC, WB

**Applications**
**Immunogen**

Anti-AKT1 Antibody was produced by repeated immunizations with a synthetic peptide corresponding to internal residues of human AKT1 protein.

**Preservatives**

None

**Form/Appearance**

Liquid (sterile filtered)

**Concentration**

1.0 mg/ml

**Storage**

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Note**

For research use only

**Application notes**

Anti-AKT1 Antibody has been tested in ELISA, SDS-Page, flow cytometry, and western blotting. This antibody is suitable for immunoprecipitation and immunohistochemistry. Expect a band approximately 56 kDa in size corresponding to AKT1 protein by western blotting in the appropriate cell lysate or extract. This monoclonal antibody reacts with human AKT. Specific conditions for reactivity should be optimized by the end user. For immunohistochemistry we recommend the use of fresh frozen tissues. Attempts at staining paraffin-embedded formalin fixed tissues were negative. No pre-treatment of sample is required.

**Isotype**

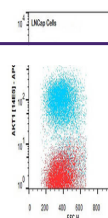
IgG2a

**Clonality**

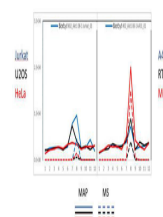
Monoclonal

**Purity**

Anti-AKT1 antibody is directed against human AKT1. The antibody detects both unphosphorylated and phosphorylated forms of the protein. Anti-AKT1 antibody was purified from ascites by Protein A chromatography. Cross reactivity with AKT1 from other species has not been determined, however, the sequence of the immunogen shows 85% identity to mouse and 92% identity with rat, therefore, cross reactivity is expected.



Flow Cytometry of Mouse anti-AKT1 antibo...



PAGE-MAP (microsphere affinity proteomic)...

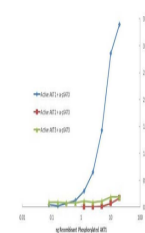


Plate was coated with monoclonal anti AK...