

## Product Datasheet

### Human AKT1 protein (orb346473)

## Description

Human AKT1 protein

### Conjugation

Unconjugated

### Tested

SDS-PAGE, WB

### Applications

### Preservatives

None

### Form/Appearance

Liquid

### Concentration

1.16mg/ml

### Storage

Store vial at -20°C or colder prior to use. Avoid cycles of freezing and thawing, aliquot and freeze at -20° C or colder. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature. Thaw only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. For long term storage we recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL) .

### Note

For research use only

### Application notes

Human AKT1 recombinant protein has been tested in SDS-Page and western blot and is suitable as a control for polyclonal or monoclonal anti-AKT1 in immunological assays. Akt1 recombinant protein is expected to be phosphorylated and in an active state. It is well suited as a control for anti-AKT pT308 which detects phosphorylated T308 residue, and anti-AKT pS473, that detects phosphorylated S473. For western blot use at 50 ng or less. For other assays concentration is user optimized.

### Purity

Recombinant protein corresponds to amino acids 1 to 480 of mature human AKT1; Akt isoform 1. The recombinant protein contains a polyhistidine affinity tag at the amino terminus. This protein was co-expressed with the p110 kinase domain leading to phosphorylation of key residues T308 and S473. Purity is greater than 90% as determined by reducing and non-reducing SDS-PAGE and by analytical HPLC.

### Source

Human

### Uniprot ID

**P31749**

### NCBI

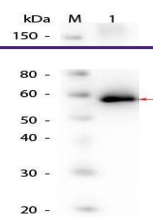
**62241011**

### Dilution Range

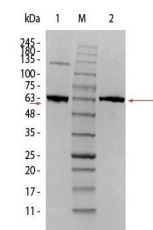
WB: 50ng

### Expiration Date

6 months from date of receipt.



Western blot analysis of Human Recombina...



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