Product datasheet

Anti-AKT2 antibody ab13991

Overview

Product name | Anti-AKT2 antibody
Description | Chicken polyclonal to AKT2
Host species | Chicken
Tested applications | Suitable for: WB, IHC-P
Species reactivity | Reacts with: Human
Predicted to work with: Mouse, Rat
Immunogen | Synthetic peptide corresponding to Human AKT2 aa 108-124.
Sequence: NSLQRAPGEDPMDYKC

Properties

Form | Liquid
Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer | Preservative: 0.01% Sodium Azide
Constituents: PBS, pH 7.7
Purity | Immunogen affinity purified
Purification notes | Peptide immunogen affinity column.
Clonality | Polyclonal
Isotype | IgY

Applications

Our Abpromise guarantee covers the use of ab13991 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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**Application notes**


Not tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

**Target**

**Function**  
General protein kinase capable of phosphorylating several known proteins.

**Tissue specificity**  
Expressed in all human cell types so far analyzed.

**Sequence similarities**  
Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. RAC subfamily.  
Contains 1 AGC-kinase C-terminal domain.  
Contains 1 PH domain.  
Contains 1 protein kinase domain.

**Post-translational modifications**  
Phosphorylation on Thr-309 and Ser-474 is required for full activity.  
Ubiquitinated; undergoes both 'Lys-48'- and 'Lys-63'-linked polyubiquitination. TRAF6-induced 'Lys-63'-linked AKT2 ubiquitination. When fully phosphorylated and translocated into the nucleus, undergoes 'Lys-48'-polyubiquitination catalyzed by TTC3, leading to its degradation by the proteasome.

**Images**

Western blot - Anti-AKT2 antibody (ab13991) at 1/500 dilution + mouse skin, whole tissue lysate at 4 µg

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 56 kDa  
**Observed band size:** 58 kDa  

*why is the actual band size different from the predicted?*

**Exposure time:** 1 minute

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