# Product Datasheet

## AKT2 Antibody (orb1939407)

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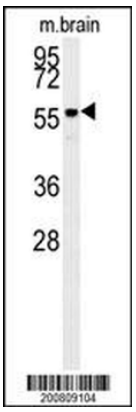
| **Catalog Number** | orb1939407 |
| **Category** | Antibodies |
| **Description** | Purified Mouse Monoclonal Antibody (Mab) |
| **Target** | AKT2 (HGNC:392) |
| **Clonality** | Monoclonal |
| **Species/Host** | Mouse |
| **Isotype** | Mouse IgG1 |
| **Conjugation** | Unconjugated |
| **Reactivity** | Human, Mouse, Rat |
| **Form/Appearance** | Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS. |
| **Immunogen** | This AKT2 monoclonal antibody is generated from mouse immunized with AKT2 recombinant protein. |
| **UniProt ID** | P31751 |
| **MW** | 55769 Da |
| **Tested applications** | IF, IHC-P, WB |
| **Dilution range** | IF - 1:10-50, WB - 1:500-1:2000, IHC-P - 1:50-100 |
| **Clone Number** | B360EV7X6X3X6 |

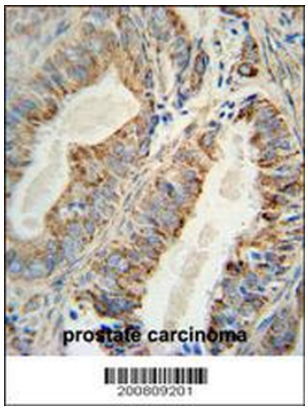
**Biorbyt Ltd.**
7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

**Biorbyt LLC**
68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558

| | |
|---|---|
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles |
| **Note** | For research use only |
| **NCBI** | **NP_001617.1** |
| **Expiration Date** | 12 months from date of receipt. |




AKT2 antibody western blot analysis in mouse brain tissue lysates (15 µg/lane). This demonstrates the AKT2 antibody detected the AKT2 protein (arrow).




AKT2 Monoclonal Antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the AKT2 Monoclonal Antibody for immunohistochemistry. Clinical relevance has not been evaluated.

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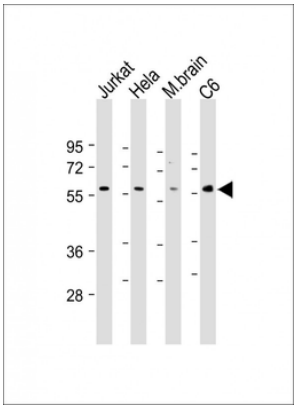
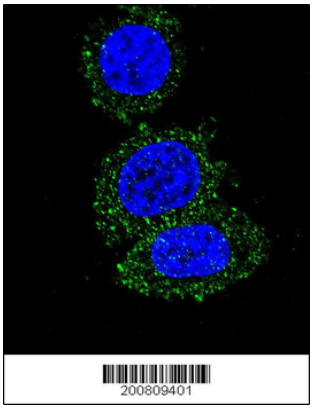



All lanes: Anti-AKT2 Antibody at 1:500-1:2000 dilution. Lane 1: Jurkat whole cell lysate. Lane 2: Hela whole cell lysate. Lane 3: Mouse brain lysate. Lane 4: C6 whole cell lysate.Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 56 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.




Confocal immunofluorescent analysis of AKT2 Antibody with Hela cell followed by Alexa Fluor 488-conjugated goat anti-mouse lgG (green). DAPI was used to stain the cell nuclear (blue).

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