

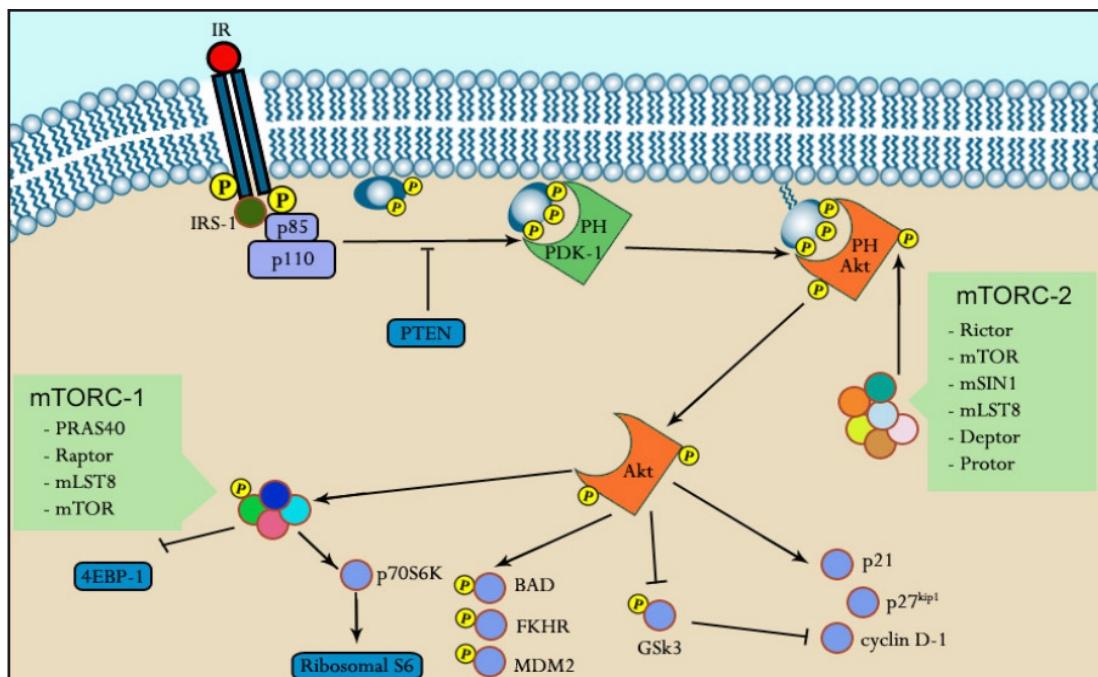
PI3K/Akt/mTOR Signaling

PI3K/Akt/mTOR Signaling

The phosphatidylinositol-3-kinase (PI3K)/Akt and the mammalian target of rapamycin (mTOR) signaling pathway is an important intracellular signaling pathway in both normal cell physiology, in cancer proliferation, tumorigenesis, metastasis, diabetes and other human diseases. Thus, understanding of the intricacies of this pathway may provide new avenues for therapeutic intervention. BioVision offers Assay Kits, Protein & Enzymes and Small Molecules targeting PI3K, Akt, and mTOR, the main driving molecules of the pathway.

Product Highlights

- Simple and Easy-To-Use Akt Activity Assay and ELISA Kits
- Tested and Validated Antibodies
- Highly Pure and Active Recombinant Proteins
- Small Molecule Inhibitors Targeting PI3K, Akt and mTOR Components of the Pathway
- Pan and Selective Inhibitors including Isoform-Specific Inhibitors



The full list of products related to PI3K/Akt/mTOR signaling pathway that BioVision has to offer is listed below:

Assay Kits

| Product Name | Cat. No. | Size |
|--------------------------------------|----------|------------|
| Akt Activity Assay Kit, KinaseSTAR | K435 | 40 Assays |
| AKT1/PKB (Human) ELISA Kit | K4166 | 100 Assays |
| Phospho-Akt (Ser473) ELISA Kit | K4211 | 100 Assays |
| QuickDetect™ TRAF6 (Human) ELISA Kit | K4417 | 100 Assays |

155 S. Milipitas Blvd, Milipitas, CA 95035

T: 408-493-1800 F: 408-493-1801

Toll Free: 800-891-9699 (US Only)

Antibodies

| Product Name | Cat. No. | Size |
|--|----------|---------------|
| AFX Antibody | 3404 | 30 µg, 100 µg |
| Akt/PKB Antibody | 3247 | 30 µg, 100 µg |
| Akt1 Antibody (CT) | 6744 | 100 µl |
| Akt1 Antibody (NT) | 6745 | 100 µl |
| Akt1 (T450) Antibody | 6743 | 100 µl |
| Akt1 (Thr308) Antibody | 6742 | 100 µl |
| Akt2 Antibody | 3155 | 100 µg |
| Akt3 Antibody | 3159 | 100 µg |
| Akt3 Antibody | 3162 | 100 µg |
| Akt3 Antibody | 3164 | 100 µg |
| Anti-Akt1 Rabbit Monoclonal Antibody | A1117 | 50 µl |
| Anti-phospho-Akt (Ser473) Rabbit Monoclonal Antibody | A1119 | 50 µl |
| Bad Antibody | 3030 | 100 µg |
| FOXO1a Antibody | 3745 | 100 µl |
| mTOR Antibody | 3786 | 100 µl |
| p70 S6 Kinase Antibody | 3485 | 100 µg |
| PDK1 Antibody | 3449 | 30 µg, 100 µg |
| Phospho-Akt Antibody | 3257 | 100 µg |
| Phospho-Akt1 (Ser246) Antibody | A1245 | 100 µl |
| Phospho-Akt1 (Ser473) Polyclonal Antibody | A1041 | 100 µg |
| Phospho-Akt1 (Tyr474) Polyclonal Antibody | A1036 | 100 µg |
| Phospho-Akt2 (ser474) Antibody | A1246 | 100 µl |
| Phospho-Bad Antibody | 3269 | 100 µg |
| Phospho-FoxO4/AFX Antibody | 3270 | 100 µg |
| PI3Kβ Antibody | 3146 | 100 µg |
| PI3Kβ Antibody | 3152 | 100 µg |
| PTEN Antibody | 3479 | 100 µg |
| Rictor Antibody | 3957 | 30 µg, 200 µg |
| SGK Antibody | 3459 | 30 µg, 100 µg |

Proteins/Enzymes

| Product Name | Cat. No. | Size |
|---|----------|--------------|
| Akt Activated Cell Lysate | 7036 | 1 mg |
| Akt Negative Control Cell Lysate | 7035 | 1 mg |
| Akt1, Active | 7701 | 5 µg, 100 µg |
| Akt2, Active | 7702 | 5 µg |
| Akt3, Active | 7703 | 5 µg, 100 µg |
| Human CellExp™ Akt1 Protein (His Tagged & Strep Tagged),human recombinant | 7886 | 10 µg, 25 µg |
| p70 S6K, Active | 7725 | 5 µg, 100 µg |
| PDK1, Active | 7706 | 5 µg |
| PI3K Protein | 7766 | 5 µg, 100 µg |
| PTEN, human recombinant | 4838 | 5 µg |
| SGK1, Active | 7748 | 5 µg |
| SGK2, Active | 7749 | 5 µg |

Inhibitors

Akt Inhibitors

| Product Name | Cat. No. | Size | CAS # |
|----------------------------------|----------|--------------|--------------|
| Akt Inhibitor (10-NCP) | 2338 | 1 mg, 5 mg | 925681-41-0 |
| Akt Inhibitor, Isozyme-Selective | 1708 | 1 mg | 612847-09-3 |
| Cordycepin | 2078 | 10 mg, 50 mg | 73-03-0 |
| GDC-0068 | 2667 | 1 mg, 5 mg | 1001264-89-6 |
| GSK-2110183 | B1089 | 1 mg, 5 mg | 1047634-63-8 |
| GSK-690693 | 2272 | 5 mg, 25 mg | 937174-76-0 |
| MK-2206 | 1888 | 1 mg, 500 mg | 1032350-13-2 |
| Perifosine (KRX-0401) | 1592 | 5 mg, 25 mg | 157716-52-4 |
| PHT-427 | 2465 | 10 mg, 50 mg | 1191951-57-1 |
| SC66 | 1870 | 10 mg, 50 mg | 871361-88-5 |
| SH-5 | 1818 | 500 µg | 701976-54-7 |
| SH-6 | 1819 | 500 µg | 701976-54-7 |
| Triciribine | 1707 | 1 mg | 35943-35-2 |

mTOR Inhibitors

| Product Name | Cat. No. | Size | CAS # |
|---------------------------------|----------|--------------|--------------|
| AZD-2014 | 9449 | 5 mg, 25 mg | 1009298-59-2 |
| AZD8055 | 2340 | 1 mg, 5 mg | 1009298-09-2 |
| BEZ235 (NVP-BEZ235) | 1626 | 5 mg, 25 mg | 915019-65-7 |
| BI-D1870 | 1924 | 1 mg, 5 mg | 501437-28-1 |
| Deforolimus | 1587 | 5 mg, 25 mg | 572924-54-0 |
| Everolimus | 1917 | 5 mg, 25 mg | 159351-69-6 |
| GSK-2126458 | 1961 | 1 mg, 5 mg | 1086062-66-9 |
| INK-128 | 9527 | 5 mg, 25 mg | 1224844-38-5 |
| mTOR Inhibitor, Ku-0063794 | 1779 | 1 mg, 5 mg | 938440-64-3 |
| mTOR Inhibitor, WYE-132 | 2256 | 500 µg, 1 mg | 1144068-46-1 |
| mTOR Inhibitor, WYE-23 | 2257 | 500 µg, 1 mg | 1062169-46-3 |
| mTOR Inhibitor, WYE-28 | 2255 | 500 µg, 1 mg | 1062172-60-4 |
| OSI-027 | 2372 | 5 mg, 25 mg | 936890-98-1 |
| OXA-01 | 2695 | 5 mg, 25 mg | 936889-68-8 |
| PP242 | 1658 | 1 mg | 1092351-67-1 |
| Prodigiosin | 2311 | 25 µg, 1 mg | 82-89-3 |
| Rapamycin | 1568 | 5 mg, 50 mg | 53123-88-9 |
| EZSolution™ Rapamycin | 1746 | 5 mg | 53123-88-9 |
| Temsirolimus (CCI-779, Torisel) | 1600 | 5 mg, 25 mg | 162635-04-3 |
| Torin 1 | 2273 | 5 mg, 25 mg | 1222998-36-8 |
| EZSolution™ Torin 1 | 2353 | 5 mg | 1222998-36-8 |
| Torin 2 | 2274 | 5 mg, 25 mg | 1223001-51-1 |
| EZSolution™ Torin 2 | 2354 | 5 mg | 1223001-51-1 |

PI3K Inhibitors

| Product Name | Cat. No. | Size | CAS # |
|--|----------|---------------|---------------------|
| Alpelisib | B1271 | 5 mg, 25 mg | 1217486-61-7 |
| APY-0201 | 9564 | 5 mg, 25 mg | 1232221-74-7 |
| AS 604850 | 2339 | 1 mg, 5 mg | 648449-76-7 |
| AZD-6482 | B1143 | 5 mg, 25 mg | 1173900-33-8 |
| AZD-8186 | B1027 | 5 mg, 25 mg | 1296270-45-5 |
| BAG 956 | 2456 | 5 mg, 25 mg | 853910-02-8 |
| BAY 80-6946 | B1267 | 5 mg, 25 mg | 1032568-63-0 |
| CAL-101 (GS-1101) | 2613 | 5 mg, 25 mg | 870281-82-6 |
| GDC-0032 | 9573 | 5 mg, 25 mg | 1282512-48-4 |
| GDC-0941 | 1623 | 1 mg, 5 mg | 957054-30-7 |
| GSK-1059615 | 9450 | 5 mg, 25 mg | 958852-01-2 |
| GSK-2126458 | 1961 | 1 mg, 5 mg | 1086062-66-9 |
| GSK2636771 | 2793 | 5 mg, 25 mg | 1372540-25-4 |
| IC87114 | 1661 | 1 mg | 371242-69-2 |
| IPI-145 | 2445 | 5 mg, 25 mg | 1201438-56-3 |
| LY 294002 | 1667 | 5 mg, 25 mg | 154447-36-6 |
| EZSolution™ LY294002 | 1747 | 5 mg | 154447-36-6 |
| NVP-BKM120 | 2619 | 5 mg, 25 mg | 944396-07-0 |
| DiscoveryPak™ PI 3-Kinase Inhibitor Set | K856 | 5 inhibitors | Multiple Inhibitors |
| DiscoveryPak™ PI 3-Kinase Inhibitor Set | K856 | 5 inhibitors | Multiple Inhibitors |
| PI-103 | 1728 | 1 mg, 5 mg | 371935-74-9 |
| PathwayReady™ PI3-K/Akt/mTOR Signaling Inhibitor Panel | K857 | 11 inhibitors | Multiple Inhibitors |
| PI3-Ky Inhibitor, AS-605240 | 1780 | 1 mg, 5 mg | 648450-29-7 |
| PIK-294 | 2614 | 5 mg, 25 mg | 900185-02-6 |
| PX-866 | 1965 | 1 mg, 5 mg | 502632-66-8 |
| Quercetin, Dihydrate | 1773 | 250 mg, 1 g | 6151-25-3 |
| SAR-260301 | B1263 | 5 mg, 25 mg | 1260612-13-2 |
| TGX-115 | 1660 | 1 mg | 351071-62-0 |
| TGX-221 | 1781 | 1 mg, 5 mg | 663619-89-4 |
| Wortmannin, Penicillium funiculosum | 1670 | 1 mg | 19545-26-7 |
| XL-147 | 9401 | 5 mg, 25 mg | 956958-53-5 |
| YM201636 | 2045 | 1 mg, 5 mg | 371942-69-7 |

PI3K/mTOR/Inhibitors

| Product Name | Cat. No. | Size | CAS # |
|-----------------------------|----------|--------------|--------------|
| BEZ235 (NVP-BEZ235) | 1626 | 5 mg, 25 mg | 915019-65-7 |
| GDC-0941 Dimethanesulfonate | 9618 | 10 mg, 50 mg | 957054-33-0 |
| GDC-0980 | 2668 | 1 mg, 5 mg | 1032754-93-0 |
| GSK-2126458 | 1961 | 1 mg, 5 mg | 1086062-66-9 |
| P529 | 2462 | 5 mg, 25 mg | 914913-88-5 |
| PF-04691502 | 2289 | 5 mg, 25 mg | 1013101-36-4 |
| PF-05212384 | 9461 | 10 mg, 50 mg | 1197160-78-3 |
| PQR-309 | B1300 | 5 mg, 25 mg | 1225037-39-7 |
| VS-5584 | 9603 | 1 mg, 5 mg | 1246560-33-7 |
| XL765 | 2551 | 1 mg, 5 mg | 934493-76-2 |

Please visit www.biovision.com for a comprehensive overview on our products.