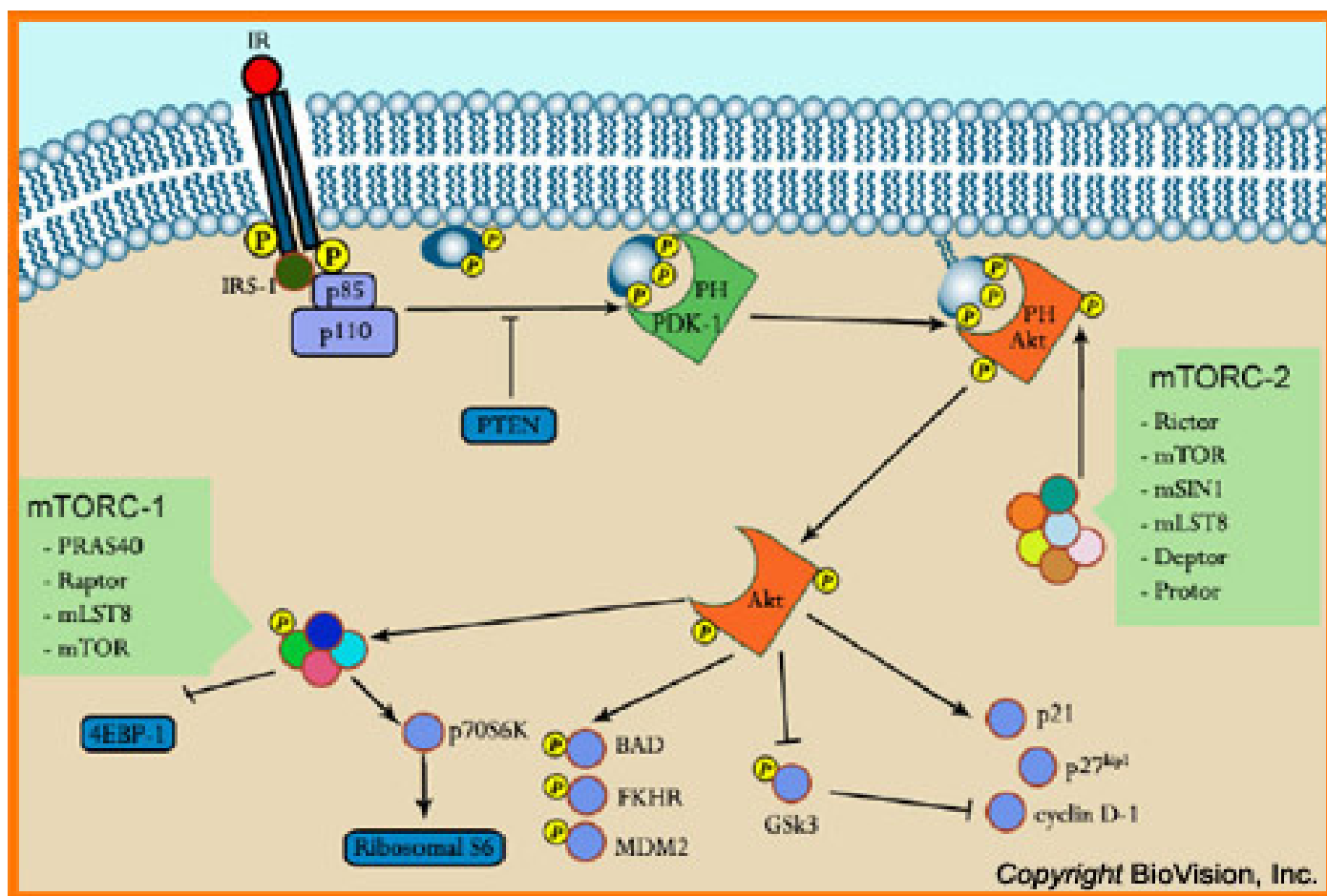


PI3K/Akt/mTOR Signaling

The phosphatidylinositol-3-kinase (PI3K)/Akt and the mammalian target of rapamycin (mTOR) signaling pathways 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



Assay Kits

Product Name	Cat. No.	Size
Akt Activity Assay Kit, KinaseSTAR	K435	40 Assays
Beta-NGF (human) ELISA Kit	K4787	100 Assays
CD133 (Human) ELISA Kit	K4192	100 Assays

155 S. Milpitas Blvd, Milpitas, 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
Akt3 Antibody	3159	100 µg
Bad Antibody	3030	100 µg
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-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
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

Category	Product Name	Cat. No.	Size	CAS No.
AKT Inhibitors	Afuresertib hydrochloride	B1848	5 mg, 25 mg	1047645-82-8
	Akt Inhibitor (10-NCP)	2338	1 mg, 5 mg	925681-41-0
	Akt Inhibitor, Isozyme-Selective	1708	1 mg	612847-09-3
	Akt-I-1	B1610	1 mg, 5 mg	473382-39-7
	AT7867	B2178	1 mg, 5 mg	857531-00-1
	Cordycepin	2078	10 mg, 50 mg	73-03-0
	(-)-Deguelin	B2096	5 mg, 25 mg	522-17-8
	DiscoveryPak™ PI 3-Kinase Inhibitor Set	K856	5 Inhibitors	Multiple
	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
	Miransertib	B1931	5 mg, 25 mg	1313881-70-7
	MK-2206	1888	1 mg, 500 mg	1032350-13-2
	Perifosine (KRX-0401)	1592	5 mg, 25 mg	157716-52-4

Inhibitors

Category	Product Name	Cat. No.	Size	CAS No.
AKT Inhibitors	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	A-674563	B1761	5 mg, 25 mg	552325-73-2
	AZD-2014	9449	5 mg, 25 mg	1009298-59-2
	AZD-5363	B1762	5 mg, 25 mg	1143532-39-1
	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
	BX-517	B1764	5 mg, 25 mg	850717-64-5
	BX795	B1766	5 mg, 25 mg	702675-74-9
	BX-912	B1765	5 mg, 25 mg	702674-56-4
	CCT128930	B1763	1 mg, 5 mg	885499-61-6
	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
	LY3023414	B1759	5 mg, 25 mg	1386874-06-1
	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
	Uprosertib	B1760	5 mg, 25 mg	1047634-65-0
	WAY-600	B1731	1 mg, 5 mg	1062159-35-6
	WYE-687	B1730	5 mg, 25 mg	1062161-90-3
	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

Inhibitors

Category	Product Name	Cat. No.	Size	CAS No.
PI3K Inhibitors	A66	B1654	5 mg, 25 mg	1166227-08-2
	Acalisib	B1666	5 mg, 25 mg	870281-34-8
	Alpelisib	B1271	5 mg, 25 mg	1217486-61-7
	AMG319	B1663	5 mg, 25 mg	1608125-21-8
	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
	AZD8835	B1661	5 mg, 25 mg	1620576-64-8
	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
	CH5132799	B1669	5 mg, 25 mg	1007207-67-1
	CNX-1351	B1673	5 mg, 25 mg	1276105-89-5
	CUDC-907	B1675	5 mg, 25 mg	1339928-25-4
	CZC24832	B1676	5 mg, 25 mg	1159824-67-5
	GDC-0032	9573	5 mg, 25 mg	1282512-48-4
	GDC-0326	B1655	5 mg, 25 mg	1282514-88-8
	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
	GSK2292767	B1660	5 mg, 25 mg	1254036-66-2
	GSK2636771	2793	5 mg, 25 mg	1372540-25-4
	17 β -Hydroxywortmannin	B2095	1 mg, 5 mg	58053-83-1
	IC87114	1661	1 mg	371242-69-2
	IPI-145	2445	5 mg, 25 mg	1201438-56-3
	IPI-549	B1971	5 mg, 25 mg	1693758-51-8
	Leniolisib	B2435	1 mg, 5 mg	1354690-24-6
	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
	PI-103	1728	1 mg, 5 mg	371935-74-9
	PI-3065	B1674	5 mg, 25 mg	955977-50-1
	PathwayReady™ PI3-K/Akt/mTOR Signaling Inhibitor Panel	K857	11 inhibitors	Multiple
	PI3-K Inhibitor, AS-605240	1780	1 mg, 5 mg	648450-29-7
	PIK-293	B1658	5 mg, 25 mg	900185-01-5
	PIK-294	2614	5 mg, 25 mg	900185-02-6
	PIK75	B1668	5 mg, 25 mg	372196-77-5
	PIK-90	B1671	5 mg, 25 mg	677338-12-4
	PIK-93	B1670	5 mg, 25 mg	593960-11-3
	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	
Serabelisib	B1930	5 mg, 25 mg	1268454-23-4	

Inhibitors

Category	Product Name	Cat. No.	Size	CAS No.
PI3K Inhibitors	TG100-115	B1667	5 mg, 25 mg	677297-51-7
	TGR-1202	B1284	5 mg, 25 mg	1532533-67-7
	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	AS-252424	B1611	5 mg, 25 mg	900515-16-4
	BEZ235 (NVP-BEZ235)	1626	5 mg, 25 mg	915019-65-7
	BGT226	B1719	1 mg, 5 mg	1245537-68-1
	CP-466722	B1722	1 mg, 5 mg	1080622-86-1
	CZ415	B1726	5 mg, 25 mg	1429639-50-8
	GDC-0349	B1729	1 mg, 5 mg	1207360-89-1
	GDC-0941 Dimethanesulfonate	9618	10 mg, 50 mg	957054-33-0
	GDC-0980	2668	1 mg, 5 mg	1032754-93-0
	GNE-317	B1716	5 mg, 25 mg	1394076-92-6
	GSK-2126458	1961	1 mg, 5 mg	1086062-66-9
	HS-173	B1627	5 mg, 25 mg	1276110-06-5
	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
	PKI-402	B1715	1 mg, 5 mg	173204-81-3
	PKI-402	B1727	1 mg, 5 mg	1173204-81-3
	PQR-309	B1300	5 mg, 25 mg	1225037-39-7
	TG100713	B1717	5 mg, 25 mg	925705-73-3
	VS-5584	9603	1 mg, 5 mg	1246560-33-7
	XL765	2551	1 mg, 5 mg	934493-76-2

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