

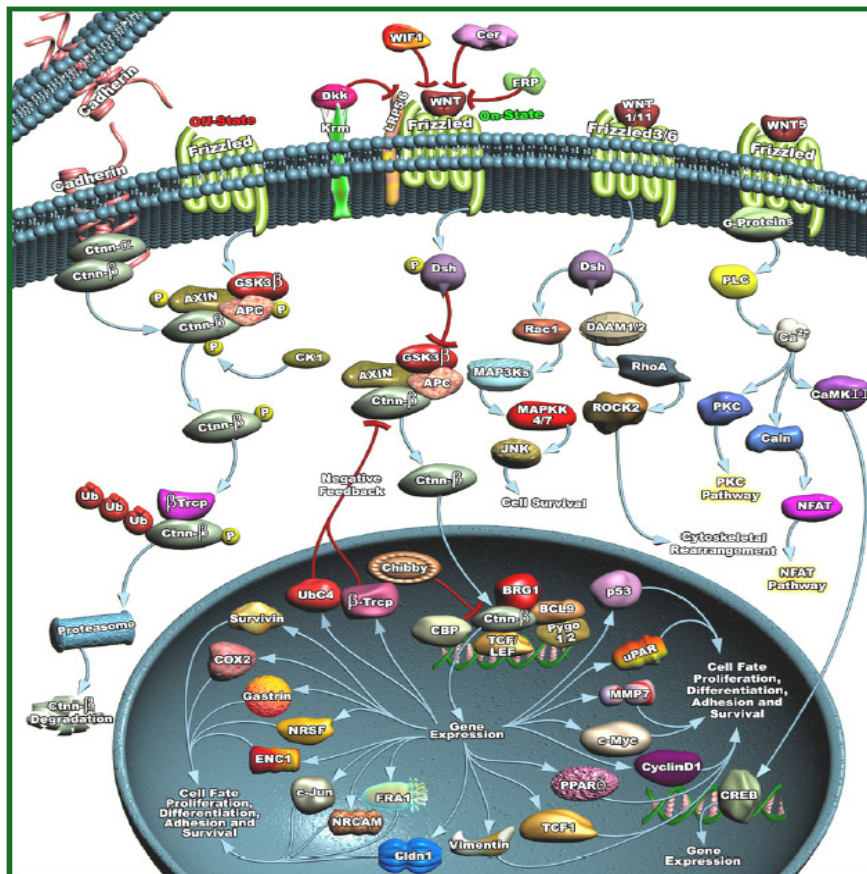
GSK3 Signaling Pathway

GSK3 (Glycogen Synthase Kinase-3) is a serine/threonine protein kinase found in all eukaryotes. It can regulate numerous signaling pathways including WNT, Growth Factors, Insulin, RTK (Receptor Tyrosine Kinases), Hedgehog pathways, GPCR (G-Protein-Coupled Receptors) etc. It is involved in a wide range of signal transduction cascades involving cellular processes, ranging from glycogen metabolism, cell development, gene transcription, protein translation to cytoskeletal organization, cell cycle regulation, proliferation and apoptosis. GSK3 signaling pathway has been implicated in a number of diseases, including Type II diabetes (Diabetes mellitus type 2), Alzheimer's Disease, inflammation, cancer, bipolar disorder etc.

Since GSK3 is involved in many pathophysiological processes and diseases, it is a tempting therapeutic target. BioVision offers numerous Antibodies, Recombinant Proteins, Small Molecular Inhibitors and Assay Kits to further study this signaling pathway.

Product Highlights:

- Tested and Validated Antibodies
- Highly Pure and Active Recombinant Proteins
- Small Molecule Inhibitors Targeting Different Components of the GSK3 Signaling Pathway
- Highly Potent, Selective and Many Inhibitor Options to Choose From



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

Antibodies

Product Name	Cat. No.	Size
Akt Activated Cell Lysate	7036	1 mg
Akt Negative Control Cell Lysate	7035	1 mg
Akt/PKB Antibody	3247	30 µg, 100 µg
AKT1 (T450) Antibody (CT)	6743	100 µl
AKT1 (Thr308) Antibody	6742	100 µl
AKT1 Antibody (CT)	6744	100 µl
AKT1 Antibody (NT)	6745	100 µl
Akt2 Antibody	3155	100 µg
Akt3 Antibody	3164	100 µg
Akt3 Antibody	3163	100 µg
Akt3 Antibody	3162	100 µg
Akt3 Antibody	3159	100 µg
Anti-Akt1 Rabbit Monoclonal Antibody	A1117	50 µl
Anti-phospho-Akt (Ser473) Rabbit Monoclonal Antibody	A1119	50 µl
BMP-10 Antibody	5581	30 µg, 100 µg
BMP-12 Antibody	5572	100 µg
BMP-13 Antibody	3823	30 µg, 100 µg
BMP-14 Antibody	5580	30 µg, 100 µg
BMP-2 Antibody	5672	30 µg, 100 µg
BMP-3 Antibody	5673R	30 µg, 100 µg
BMP-3 Antibody	5673	100 µg
BMP-4 Antibody	5674R	30 µg, 100 µg
BMP-4 Antibody	5674A	30 µg, 100 µg
BMP-5 Antibody	5675R	30 µg, 100 µg
BMP-5 Antibody	5574	30 µg, 100 µg
BMP-6 Antibody	5676R	30 µg, 100 µg
BMP-7 Antibody	5677R	30 µg, 100 µg
BMP-7 Antibody	5677	100 µg
Cadherin Antibody	3365R	30 µg, 100 µg
DKK1 Antibody	3851	30 µg, 100 µg
DKK2 Antibody	3802R	30 µg, 100 µg
DKK2 Antibody	3802A	30 µg, 100 µg
DKK3 Antibody	3893	30 µg, 100 µg
DKK4 Antibody	3894	30 µg, 100 µg
Dvl3 Antibody	3684R	30 µg, 100 µg
GSK-3α Antibody	6674	30 µl, 100 µl
GSK-3b Antibody	3494	30 µg, 100 µg
ILK1 Antibody	3423	30 µg, 100 µg
LRP-5/6 Antibody	3714	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-GSK3 (Tyr216) polyclonal antibody	A1037	100 µg
Phospho-GSK-3α Antibody	3516	100 µg
Phospho-GSK-3β Antibody	3495	100 µg
Phospho-β-Catenin Antibody	3381	100 µg

Antibodies

Product Name	Cat. No.	Size
PLC gamma 2 Antibody	3710	30 µg, 100 µg
PLC gamma 2 Antibody	3587R	30 µg, 100 µg
PLC gamma 2 Antibody	3587	100 µg
Wnt-1 Antibody	5754	30 µg, 100 µg
Wnt-1 Antibody	3571	30 µg, 100 µg
Wnt-2 Antibody	3572R	30 µg, 100 µg
Wnt-4 Antibody	3574R	30 µg, 100 µg
Wnt-6 Antibody	3570	30 µg, 100 µg

Proteins/Enzymes

Product Name	Cat. No.	Size
Human CellExp™ Akt1 Protein (His & Strep Tagged), human recombinant	7886	10 µg, 20 µg
Akt1, Active	7701	100 µg, 5 µg
Akt2, Active	7702	100 µg, 5 µg
Akt3, Active	7703	100 µg, 5 µg
BMP-10, human recombinant	4581	20 µg, 100 µg, 1 mg
BMP-11, human recombinant	4576	10 µg, 100 µg, 1 mg
BMP-12/GDF-7, human recombinant	4572	20 µg, 100 µg, 1 mg
BMP-13, human recombinant	4639	10 µg, 50 µg, 1 mg
BMP-2, Human Cellexp Human Recombinant	6444	10 µg, 50 µg
BMP-2, human recombinant	4577	10 µg, 50 µg, 1 mg
BMP-4, Human Cellexp Human Recombinant	6445	10 µg, 50 µg
BMP-4, human recombinant	4578	10 µg, 50 µg, 1 mg
BMP-6, human recombinant	4911	10 µg, 50 µg, 1 mg, 10 mg
BMP-7, Human Cellexp Human Recombinant	6446	10 µg, 50 µg
BMP-7, human recombinant	4579	10 µg, 50 µg, 1 mg
GDF9, human recombinant	4872	20 µg, 100 µg, 1 mg
GSK-3α-GST Fusion Protein	7003	100 µg
GSK-3β, human recombinant	7004	10 µg, 50 µg, 1 mg
K11-linked Di-Ubiquitin	6421	50 µg
K11-linked Tetra-Ubiquitin	6423	25 µg
K11-linked Tri-Ubiquitin	6422	50 µg
K48-linked Di-Ubiquitin	6415	50 µg
K48-linked Tetra-Ubiquitin	6417	25 µg
K48-linked Tri-Ubiquitin	6416	50 µg
K63-linked Di-Ubiquitin	6418	50 µg
K63-linked Tetra-Ubiquitin	6420	25 µg
K63-linked Tri-Ubiquitin	6419	50 µg
linear di-ubiquitin , Human recombinant	6424	100 µg
inear penta-ubiquitin, Human recombinant	6427	100 µg
linear tetra-ubiquitin, Human recombinant	6426	100 µg
linear tri-ubiquitin, Human recombinant	6425	100 µg
UBE2D2 (UbcH5b), Human recombinant	6435	3 nmol
UBE2D3, Human recombinant	6430	3 nmol
UBE2E2 (UbcH8), Human recombinant	6438	3 nmol
UBE2E3 (UbcH9), Humanrecombinant	6439	3 nmol

Proteins/Enzymes

Product Name	Cat. No.	Size
UBE2H (UbcH2), HIS6SUMO, Human recombinant	6441	3 nmol
UBE2H (UbcH2), Human recombinant	6440	3 nmol
UBE2K, Human recombinant	6432	3 nmol
UBE2L3, Human recombinant	6431	3 nmol
UBE2R1 (CDC34), Human recombinant	6436	3 nmol
UBE2R2 (Ubc3B), Human recombinant	6437	3 nmol
Ubiquitin Activating Enzyme E1, Human recombinant	6429	50 µg
Ubiquitin-K0, Human Recombinant	6498	500 µg, 1mg
Ubiquitin-K11, Human Recombinant	6396	500 µg, 1mg
Ubiquitin-K11R, Human Recombinant	6404	500 µg, 1mg
Ubiquitin-K27, Human Recombinant	6397	500 µg, 1mg
Ubiquitin-K27R, Human Recombinant	6405	500 µg, 1mg
Ubiquitin-K29, Human Recombinant	6398	500 µg, 1mg
Ubiquitin-K29R, Human Recombinant	6406	500 µg, 1mg
Ubiquitin-K33, Human Recombinant	6399	500 µg, 1mg
Ubiquitin-K33R, Human Recombinant	6407	500 µg, 1mg
Ubiquitin-K48, Human Recombinant	6400	500 µg, 1mg
Ubiquitin-K48R K63R, Human Recombinant	6410	500 µg, 1mg
Ubiquitin-K48R, Human Recombinant	6408	500 µg, 1mg
Ubiquitin-K6, Human Recombinant	6395	500 µg, 1mg
Ubiquitin-K63, Human Recombinant	6497	500 µg, 1mg
Ubiquitin-K63R, Human Recombinant	6409	500 µg, 1mg
Ubiquitin-K6R, Human Recombinant	6499	500 µg, 1mg
Ubiquitin-WT, Human Recombinant	6394	500 µg, 1mg
WNT-1, human recombinant	4754	10µg, 50 µg, 1mg

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

Wnt/β-Catenin Signaling Pathway

Product Name	Cat. No.	Size	CAS #
CRT Inhibitor, iCRT5	1896	5 mg, 25 mg	N/A
FH535	2657	5 mg, 25 mg	108409-83-2
ICG-001	2275	5 mg, 25 mg	847591-62-2
IQ-1	1663	1 mg	331001-62-8
IWP-2	1962	5 mg, 25 mg	686770-61-6
IWP-3	2349	1 mg, 5 mg	687561-60-0
IWP-4	2650	1 mg, 5 mg	686772-17-8

Wnt/ β -Catenin Signaling Pathway

Product Name	Cat. No.	Size	CAS #
JW55	2612	5 mg, 25 mg	664993-53-7
KY02111	2264	5 mg, 25 mg	1118807-13-8
LGK974	2645	1 mg, 5 mg	1243244-14-5
QS11	1680	5 mg	944328-88-5
Wnt Antagonist, C59	2063	1 mg, 5 mg	1243243-89-1
EZSolution™ Wnt Antagonist, C59	9493	1 mg	1243243-89-1
XAV939	1727	1 mg	284028-89-3

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	50 mg, 10 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	500 μ g, 1 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
DiscoveryPak™ PI 3-Kinase Inhibitor Set	K856	5 inhibitors	Multiple Inhibitors
SC66	1870	10 mg, 50 mg	871361-88-5
SH-5	1818	500 μ g	701976-54-7
SH-6	1819	500 μ g	701976-54-7
Triciribine	1707	1 mg	35943-35-2

GSK3 Inhibitors

Product Name	Cat. No.	Size	CAS #
1-Azakenpaullone	1944	1 mg, 5 mg	676596-65-9
Alsterpaullone	1897	1 mg, 5 mg	237430-03-4
Bikinin	2034	10 mg, 50 mg	188011-69-0
BIO	1673	1 mg	667463-62-9
Bisindolylmaleimide I	1945	1 mg, 5 mg	133052-90-1
Bisindolylmaleimide I hydrochloride	1947	1 mg, 5 mg	176504-36-2
CHIR 99021	1677	5 mg, 25 mg	252917-06-9
CHIR 99021 trihydrochloride	B1199	5 mg, 25 mg	1782235-14-6
CHIR-98014	2595	1 mg, 5 mg	556813-39-9
Ezsolution™ CHIR-98014	2639	1 mg	556813-39-9
EZSolution™ CHIR99021 trihydrochloride, Sterile-Filtered	B1219	1 ml	1782235-14-6
EZSolution™ CHIR99021	1748	5 mg	252917-06-9
EZSolution™ CHIR99021, Sterile-Filtered	1991	1 ml	252917-06-9
GSK-3 Inhibitor, AR-A014418	1953	2 mg, 5 mg	487021-52-3
GSK-3 β Inhibitor, TWS119	1655	2 mg	601514-19-6
IM-12	2822	5 mg, 25 mg	1129669-05-1

GSK3 Inhibitors

Product Name	Cat. No.	Size	CAS #
Kenpallone	1904	1 mg	142273-20-9
Leucettine L41	2617	1 mg, 5 mg	1112978-84-3
LY-2090314	B1043	5 mg, 25 mg	603288-22-8
EZSolution™ Necrosulfonamide, Sterile-Filtered	B1220	10 mg	1360614-48-7
Ro 31-8220 methanesulfonate	1946	1 mg, 5 mg	138489-18-6
SB 216763	1769	1 mg, 5 mg	280744-09-4
TDZD-8	2854	5 mg, 25 mg	327036-89-5
Tideglusib	9601	5 mg, 25 mg	865854-05-3

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