



PROTEIN BIOTECHNOLOGIES

Dip-N-Blots™ Pre-Run Western Blotting Strips

Dip-N-Blots™ are pre-run Western blots in an innovative dipstick format that simplifies protein analysis and antibody characterization experiments. Western blots are prepared from lysates from normal human, mouse, and rat tissues and cell lines using 4-20% pre-cast 1D-PAGE gradient gels for maximum protein separation and resolution. Gel to gel loading and running are constantly monitored for consistency and reproducibility to maintain high quality standards. Dip-N-Blots™ are made using supported PVDF membranes for strength and high protein binding. Simply align the developed strip next to the marker key provided on the data sheet to determine the molecular weight of the protein of interest. Each strip comes individually packaged in a convenient 2 ml incubation chamber ready to use with minimal reagent volume requirements. Dip-N-Blots™ are compatible with colorimetric, chemiluminescent or fluorescent detection systems. The same specimens used to prepare Dip-N-Blots™ are also available in a microarray format (Dip-N-Spots™) and as ready to use lysates.

Human Normal Tissue Lysate Western Blotting Dipsticks

<i>Catalog Number</i>	<i>Tissue</i>	<i>Catalog Number</i>	<i>Tissue</i>
BHN-01	adipose	BHN-10-1	heart
BHN-02	adrenal	BHN-10-2	heart coronary artery
BHN-03	bladder	BHN-10-3	heart left ventricle
BHN-04-1	brain dura mater	BHN-10-4	heart pericardium
BHN-04-2	brain caudate nucleus	BHN-10-5	heart aorta
BHN-04-3	brain cerebellum	BHN-11	kidney
BHN-04-4	brain cerebellum hemangioblastoma	BHN-12	larynx
BHN-04-5	brain cerebral meninges	BHN-13	liver
BHN-04-6	brain cerebral peduncles	BHN-14	gall bladder
BHN-04-7	brain cerebrum	BHN-15	lung
BHN-04-8	brain corpus callosum	BHN-16	bronchus
BHN-04-9	brain globus pallidus	BHN-17	lymph node
BHN-04-10	brain hippocampus	BHN-18	breast
BHN-04-11	brain hypothalamus	BHN-19	ovary
BHN-04-12	brain nucleus accumbens	BHN-20	pancreas
BHN-04-13	brain occipital cortex	BHN-21	pituitary
BHN-04-14	brain occipital lobe	BHN-22	placenta
BHN-04-15	brain olfactory lobe	BHN-23	prostate
BHN-04-16	brain postcentral gyrus	BHN-24	salivary gland
BHN-04-17	brain posterior cortex	BHN-25	skeletal muscle
BHN-04-18	brain precentral gyrus	BHN-26	skin
BHN-04-19	brain putamen	BHN-27-1	small intestine duodenum
BHN-04-20	brain striatum	BHN-27-2	small intestine ileum
BHN-04-21	brain substantia nigra	BHN-27-3	small intestine jejunum
BHN-04-22	brain superior parietal lobe	BHN-27-4	small intestine appendix
BHN-04-23	brain thalamus	BHN-28	esophagus
BHN-04-24	brain vermis cerebelli	BHN-29	stomach
BHN-04-25	brain brain cortex	BHN-30	tongue
BHN-04-26	brain frontal cortex	BHN-31	testis
BHN-04-27	brain frontal lobe	BHN-32	thymus
BHN-04-28	brain parietal cortex	BHN-33	thyroid
BHN-04-29	brain temporal lobe	BHN-34	trachea
BHN-04-30	brain parietal lobe	BHN-35	uterus
BHN-05	tonsil	BHN-36	cervix
BHN-06	colon	BHN-37-1	vaginal mucosa
BHN-07	eye	BHN-37-2	vaginal wall
BHN-08	spleen	BHN-38	fallopian tube
BHN-09	fetus	BHN-39	urethra
		BHN-40	ureter



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Mouse Normal Tissue Lysate Western Blotting Dipsticks

<i>Catalog Number</i>	<i>Tissue</i>
BMN-01	adipose
BMN-02	adrenal
BMN-03	bladder
BMN-04	cerebellum
BMN-05	cerebrum
BMN-06	colon
BMN-07	eye
BMN-08	esophagus
BMN-09	fetus
BMN-10	heart
BMN-11	kidney
BMN-12	larynx
BMN-13	liver
BMN-14	lung
BMN-15	lymph node
BMN-16	mammary gland

<i>Catalog Number</i>	<i>Tissue</i>
BMN-17	ovary
BMN-18	pancreas
BMN-19	pituitary
BMN-20	placenta
BMN-21	prostate
BMN-22	salivary gland
BMN-23	skeletal muscle
BMN-24	skin
BMN-25	small intestine
BMN-26	spleen
BMN-27	stomach
BMN-28	tongue
BMN-29	testis
BMN-30	thymus
BMN-31	thyroid
BMN-32	trachea
BMN-33	uterus

Rat Normal Tissue Lysate Western Blotting Dipsticks

<i>Catalog Number</i>	<i>Tissue</i>
BRN-01	adipose
BRN-02	adrenal
BRN-03	bladder
BRN-04	cerebellum
BRN-05	cerebrum
BRN-06	colon
BRN-07	eye
BRN-08	esophagus
BRN-09	fetus
BRN-10	heart
BRN-11	kidney
BRN-12	larynx
BRN-13	liver
BRN-14	lung
BRN-15	lymph node
BRN-16	mammary gland

<i>Catalog Number</i>	<i>Tissue</i>
BRN-17	ovary
BRN-18	pancreas
BRN-19	pituitary
BRN-20	placenta
BRN-21	prostate
BRN-22	salivary gland
BRN-23	skeletal muscle
BRN-24	skin
BRN-25	small intestine
BRN-26	spleen
BRN-27	stomach
BRN-28	tongue
BRN-29	testis
BRN-30	thymus
BRN-31	thyroid
BRN-32	trachea
BRN-33	uterus



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Cell Line Lysate Western Blotting Dipsticks

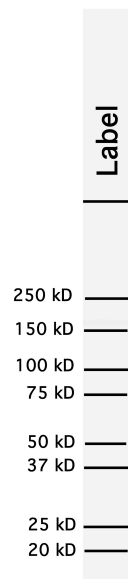
<i>Catalog Number</i>	<i>Cell Line</i>	<i>Catalog Number</i>	<i>Cell Line</i>
BCL-01	A549 / lung carcinoma (H)	BCL-18	SW 1353 / humerus chondrosarcoma (H)
BCL-02	HeLa / cervix epithelioid carcinoma (H)	BCL-19	SW 480 / colon adenocarcinoma (H)
BCL-03	Jurkat / acute T cell lymphoma (H)	BCL-20	T24 / bladder transitional cell carcinoma (H)
BCL-04	MCF7 / breast adenocarcinoma (H)	BCL-21	THP-1 / monocyte (H)
BCL-05	PC-3 / prostate adenocarcinoma (H)	BCL-22	786-0 / primary renal cell adenocarcinoma (H)
BCL-06	HepG2 / hepatocellular carcinoma (H)	BCL-23	CRL-1976 / uterine sarcoma (H)
BCL-07	293 / primary embryonic kidney (H)	BCL-24	22Rv1 / prostate carcinoma (H)
BCL-08	HT-29 / colon adenocarcinoma (H)	BCL-25	DU145/prostate carcinoma metastasis to brain (H)
BCL-09	A431 / epidermoid carcinoma (H)	BCL-26	WI 38 / lung diploid (H)
BCL-10	K562 / chronic myelogenous leukemia (H)	BCL-27	U-2 OS / bone osteosarcoma (H)
BCL-11	MOLT4 / acute lymphoblastic leukemia (H)	BCL-28	Capan-2 / pancreas adenocarcinoma (H)
BCL-12	NIH-3T3 / embryonic fibroblast (M)	BCL-29	AGS / stomach gastric adenocarcinoma (H)
BCL-13	HS 578T / breast ductal carcinoma (H)	BCL-30	Daudi / B lymphoblast, Burkitt's Lymphoma (H)
BCL-14	HL 60 / promyelocytic leukemia (H)	BCL-31	HT-144 / skin malignant melanoma (H)
BCL-15	Raji / Burkitt's lymphoma (H)	BCL-32	Hs 729 / muscle rhabdomyosarcoma (H)
BCL-16	OVCAR-3 / ovarian adenocarcinoma (H)	BCL-33	HCT 116 / colon colorectal carcinoma (H)
BCL-17	SK-N-SH / brain neuroblastoma (H)	BCL-34	SK-OV-3 / ovary adenocarcinoma (ascites metastasis) (H)

(H) = Human (M) = Mouse

Description: **Dip-N-Blots™** Western blots of cell line and tissue lysates in a convenient dipstick format.

Application: **Dip-N-Blots™** can be used for stand-alone data collection or for preliminary screening of reagents prior to more extensive studies. These products help determine protein expression patterns and aid in the selection of appropriate samples for additional research. The tissue and cell line lysates used to prepare the dipsticks can be obtained from Protein Biotechnologies' extensive collection of normal and tumor specimens.

Protein size is easily identified by built-in molecular weight marker reference.





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Storage: From time of receipt, this product is stable for 12 months at 4-8°C.

Sample Preparation: Tissue specimens are homogenized in modified RIPA buffer to obtain the soluble proteins, and centrifuged to remove insoluble biomaterial. Total soluble protein is prepared for 1D SDS-PAGE by the addition of gel loading buffer (final concentrations: 62.5 mM Tris, pH 6.8, 25 mM TCEP, 12.5% glycerol, 1% SDS, 0.005% bromophenol blue) and then heated to 95° C for 5 minutes prior to loading 4-20% Tris-HCl prep gels. Gels provide 20 ug protein per Western blot strip.

Source: *Human tissues:* Integrated Laboratory Services-Biotech (ILSbio), Chestertown, MD 21620

Cell lines: Biovest International Cell Culture Facility.

Mouse and rat tissues: Normal mice and rats, euthanised by hyperbaric CO₂, in accordance with methods approved by the AVMA Panel on Euthanasia.

Tissues and cells are collected and flash frozen, prior to preparation of the lysates.

For Research Use Only