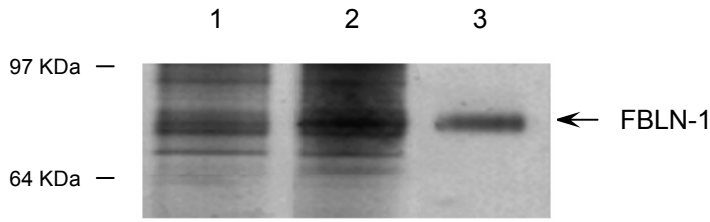
A



B

Protein: FBLN1_HUMAN (P23142)			
Sequence coverage 36%			
ProFound Expectation value of 1.3e-10			
Aldente pValue of 1.6e-14			
Experimental	**Theorical**	**Position**	**Sequence**
Da	Da	start-end	
1515.667969	1515.667838	30 - 42	DVLLEACCADGHR
1235.505371	1235.49002	109 - 117	CCHCCLLGR
2754.219971	2754.206818	118 - 141	***AAQAQGQSCEYSLMNGYQCGQVFR****
1990.928467	1990.923964	164 - 179	IIEVEEEQEDPYLNDR
1439.70105	1439.694708	229 - 241	LGESCINTVGSFR
816.38031	816.378078	337 - 343	NVPNCGR
1175.546021	1175.54395	344 - 353	GYHLNEEGTR
1803.732056	1803.734592	354 - 369	CVDVDECAPPAEPCGK
1023.468567	1023.467618	373 - 381	CVNSPGSFR
1178.547974	1178.547642	386 - 395	***TGYYFDGISR****
1310.529541	1310.528572	396 - 405	MCVDVNECQR
1326.516968	1326.523486	396 - 405	MCVDVNECQR
3387.453369	3387.456154	468 - 497	GYQLSDVDGVTCEDIDECALPTGGHICSYR
1458.623657	1458.614016	551 - 561	CLAFECPENYR
1614.717163	1614.715122	551 - 562	***CLAFECPENYRR****
1557.692139	1557.69366	551 - 562	CLAFECPENYRR
1549.834839	1549.837274	608 - 619	EFTRPEEIIFLR
2475.303955	2475.298994	620 - 642	AITPPHPASQANIIFDITEGNLR
993.529968	993.536352	643 - 650	DSFDIIKR
1383.689331	1383.687122	650 - 661	RYMDGMTVGVVR
1243.577759	1243.58093	651 - 661	YMDGMTVGVVR
1259.572144	1259.575844	651 - 661	YMDGMTVGVVR
1090.531006	1090.524394	696 - 703	IFVSEYWF
			****human specific***

Figure 1. Immunoaffinity purification of FBLN-1 from xenotransplants and mass spectrometry identification of human immunoreactive FBLN-1. A. Immunoprecipitation of cell extracts from MDA-MB-361 xenotransplants resected from DXR-treated (lane 2) and untreated (lane 1) athymic mice and of 3 μg of human FBLN-1 purified from placenta extracts (lane 3), using anti-FBLN-1 3A11 MAb. Protein bands from “silver stained” SDS-PAGE were excised for identification. B. MALDI-TOF mass spectrometry peptide mass fingerprinting analysis of FBLN-1. The percentage of sequence coverage of matched peptides in FBLN-1 of a representative analysis is indicated. Human-specific matched peptides obtained via BLAST algorithm are in boldface italic letters. ProFound Expectation value and Aldente pValue indicate the probability of finding, for a given spectrum, a protein with the same score in a random protein database.

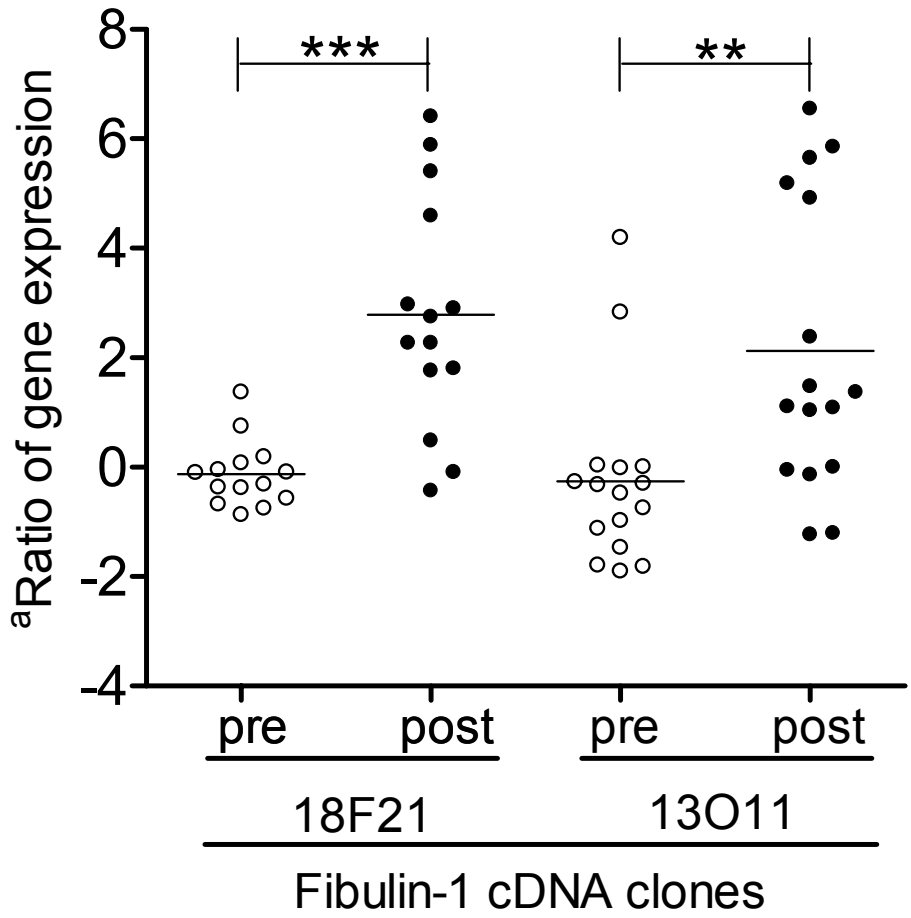


Figure 2. FBLN-1 gene expression in breast cancer tissues before (pre) and after (post) DXR treatement. FBLN-1 gene expression was identified by hybridization to two different probes (18F21 and 13O11).
Data from the database compiled by Perou and coworkers (http://genome-www.stanford.edu/molecularportraits/).
[a]Results are expressed as ratio of gene expression relative to the reference set (See Perou *et al.* Nature, 406:747-52, 2000)
Statistical analysis, by Mann-Whitney test, was annotated as follows:
***: P<0.001; **: P<0.01