

Expression pattern and Prognostic impact of Glycoprotein non-metastatic B (GPNMB) in Triple-Negative Breast Cancer

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Table S1. Relationship of GPNMB expression with expressions of EMT markers

Characteristics	GPNMB expression		<i>P</i> value
	Low	High	
E-cadherin			
High	15 (51.7)	5 (18.5)	0.002
Medium	9 (31.0)	8 (29.6)	
Low	3 (10.3)	14 (51.9)	
NA	2 (6.9)	0 (0.0)	
ZO-1			
High	18 (62.1)	10 (37.0)	0.073
Medium	3 (10.3)	9 (33.3)	
Low	8 (27.6)	8 (29.6)	
N-cadherin			
High	13 (44.8)	9 (33.3)	0.519
Medium	6 (20.7)	9 (33.3)	
Low	10 (34.5)	9 (33.3)	
vimentin			
High	11 (37.9)	8 (29.6)	0.112
Medium	7 (24.1)	13 (48.1)	
Low	11 (37.9)	5 (18.5)	
NA	0 (0.0)	1 (3.7)	

The cutoff value of the H-score of Trop-2 was selected as 138.75.

NA, not available.

Figure S1

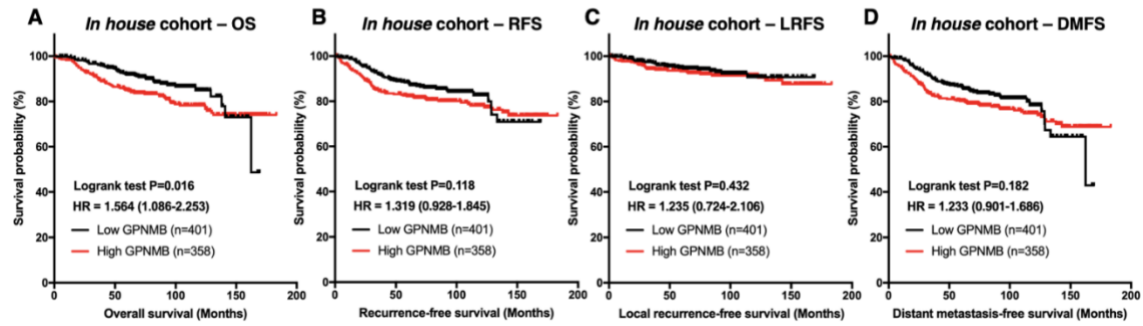


Figure S1. GPNMB is a prognostic biomarker in overall survival in patients with breast cancer. Kaplan-Meier analysis of the influence of GPNMB IHC expression on (A) OS (B) RFS (C) LRFS (D) DMFS in patients with breast cancer.

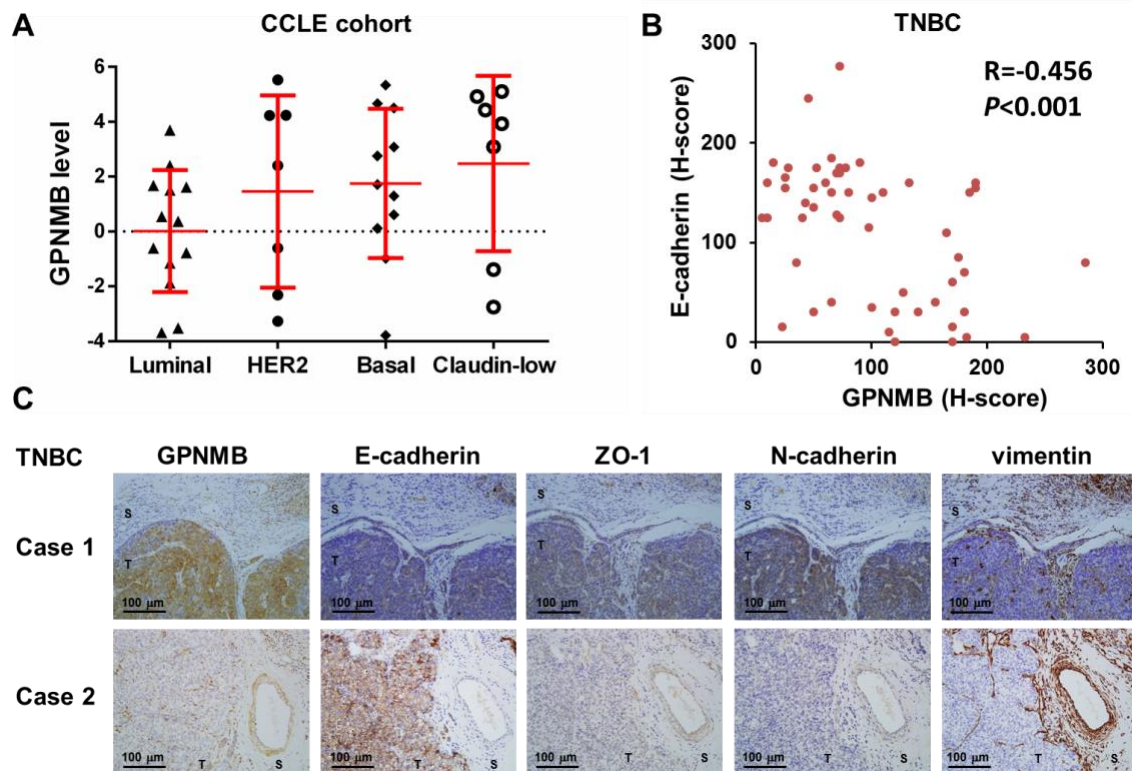
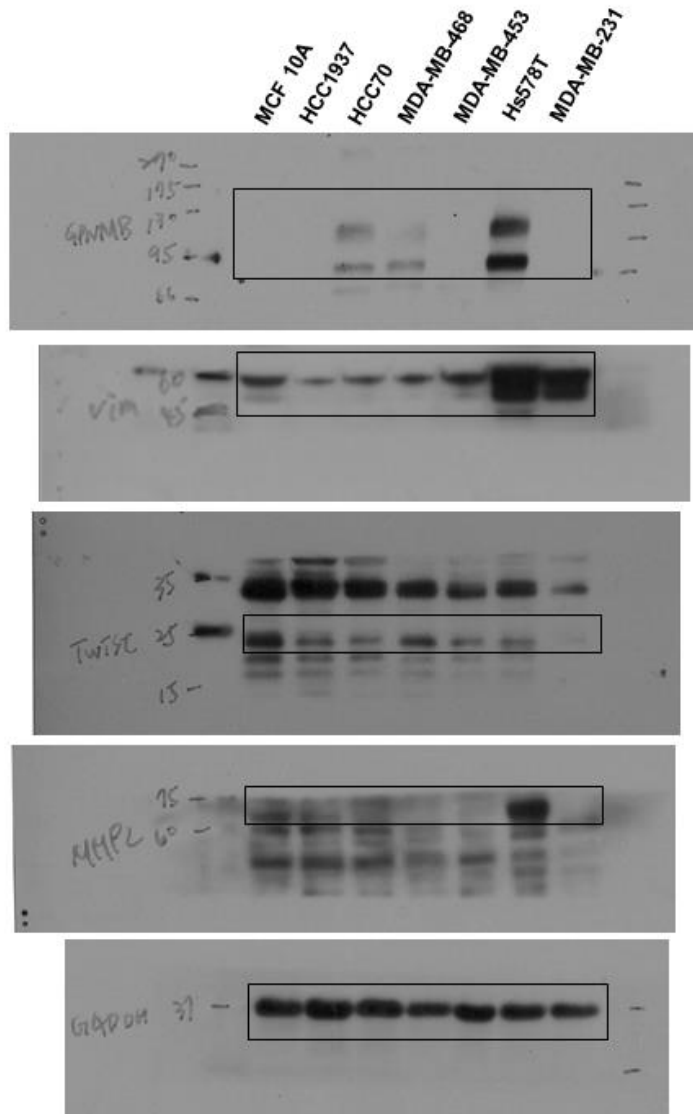


Figure S2. GPNMB protein level is negatively correlated with E-cadherin protein level in TNBC patients

(A) The GPNMB expression level compared in different subtypes based on gene expression from Cancer Cell Line Encyclopedia (<http://www.broadinstitute.org/ccle>, CCLE). (B) The correlation of between GPNMB and E-cadherin was analyzed. R, Pearson correlation coefficient. (C) The representative graphs of reciprocal expressions of GPNMB and EMT markers. T, tumor cells; S, stroma compartment.

Full-length blot

Full-length blot of Fig 4A. Whole-cell extracts of MCF 10A epithelial cells and TNBC cell lines were examined by Western blot analysis.



Full-length blot of Fig 4B. MDA-MB-468 and HCC1937 cells transfected with GPNMB expression construct or control plasmids (pCMV6) for 48 h were analyzed by Western blot analysis.

