

ER, PR, HER2 cancer biomarker and normalization panel

Gene Symbol	Target protein name	UniProt ID (& link)	Modification*
ACT	Actin; ACTA2 ACTA1 ACTB ACTG1 ACTC1 ACTG2	Q56212	
BIRC5	baculoviral IAP repeat-containing 5 (survivin)	Q15392	
BIRC5	baculoviral IAP repeat-containing 5 (survivin)	Q15392	
DCTN2	dynactin 2 (p50)	Q13561	
EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	P00533	
ERBB2	Receptor tyrosine-protein kinase erbB-2	P04626	
ERBB2	Receptor tyrosine-protein kinase erbB-2	P04626	
ERBB2	Receptor tyrosine-protein kinase erbB-2	P04626	
ESR1	Estrogen receptor	P03372	
ESR1	Estrogen receptor	P03372	
FABP4	Fatty acid-binding protein, adipocyte	P15090	
FBN1	Fibrillin 1	P35555	
FBN1	Fibrillin 1	P35555	
FBN1	Fibrillin 1	P35555	
GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	P04406	
HBB	Hemoglobin subunit beta	P68871	
HBB	Hemoglobin subunit beta	P68871	
KRT5	Keratin 5	P13647	
KRT5	Keratin 5	P13647	
KRT7	Keratin 7	P08729	
KRT7	Keratin 7	P08729	
`	pan Keratin		
`	pan Keratin		
MKI67	antigen identified by monoclonal antibody Ki-67	P46013	
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PCNA	Proliferating cell nuclear antigen	P12004	
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PCNA	Proliferating cell nuclear antigen	P12004	uK164
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PECAM1	Platelet endothelial cell adhesion molecule	P16284	
PGR	Progesterone receptor	P06401	
PGR	Progesterone receptor	P06401	
PLIN4	Perilipin 4	Q96Q06	
PLIN4	Perilipin 4	Q96Q06	
PTEN	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	P60484	
PTPRC	Protein tyrosine phosphatase, receptor type, C	P08575	
PTPRC	Protein tyrosine phosphatase, receptor type, C	P08575	
TUBB	Tubulin beta chain	P07437	
UNC45A	unc-45 homolog A (C. elegans)	Q9H3U1	
VCAN / CSPG2	Versican core protein	P13611	

(40 analytes)

*blanks mean the assay detects the non-modified peptide sequence