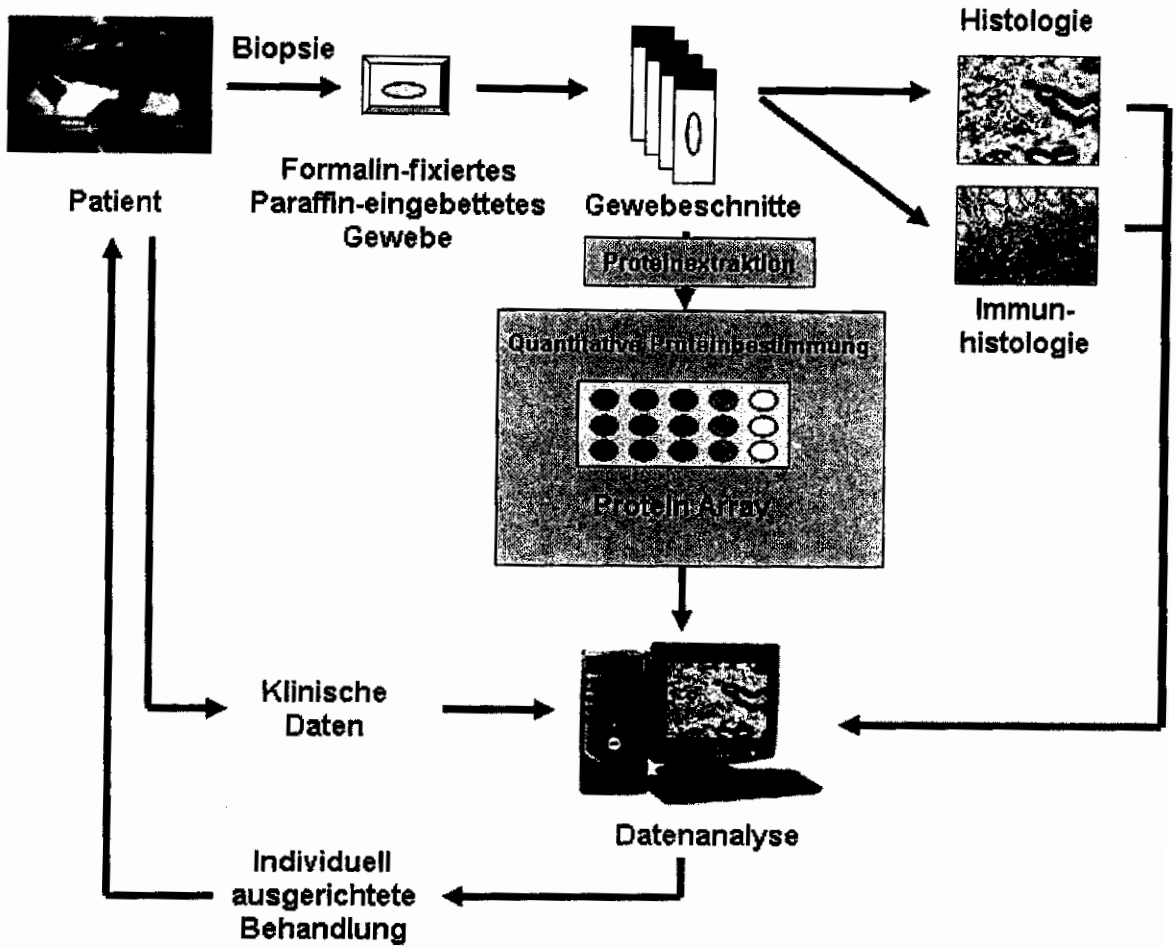
FIG.1



Biopsie = biopsy

Formalin-fixiertes Paraffin-eingebettetes Gewebe = Formalin fixed, paraffin embedded tissue

Gewebeschnitte = Tissue sections

Histologie = Histology

Immunhistologie = Immunohistology

Proteinextraktion = Protein extraction

Quantitative Proteinbestimmung = Quantitative protein determination

Datenanalyse = Data analysis

Klinische Daten = Clinical data

Individuell ausgerichtete Behandlung = individually targeted treatment

FIG.2

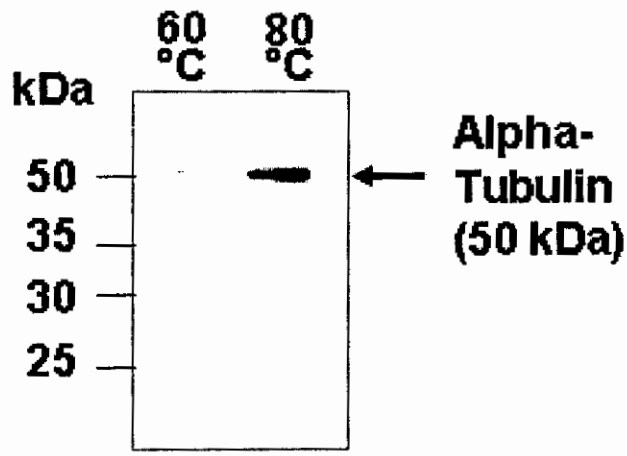
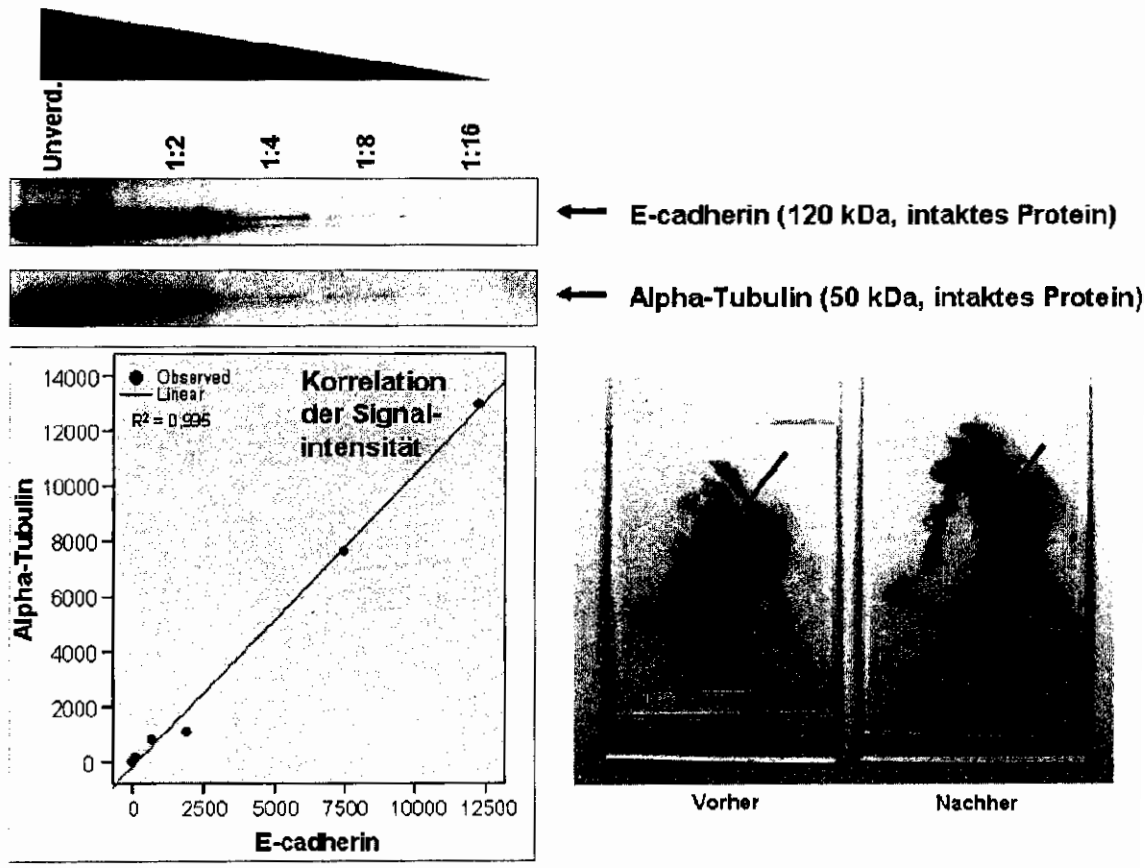


FIG.3



Unverd. = undiluted

Intaktes protein = intact protein

Korrelation der Signalintensität = Correlation of signal intensity

FIG.4

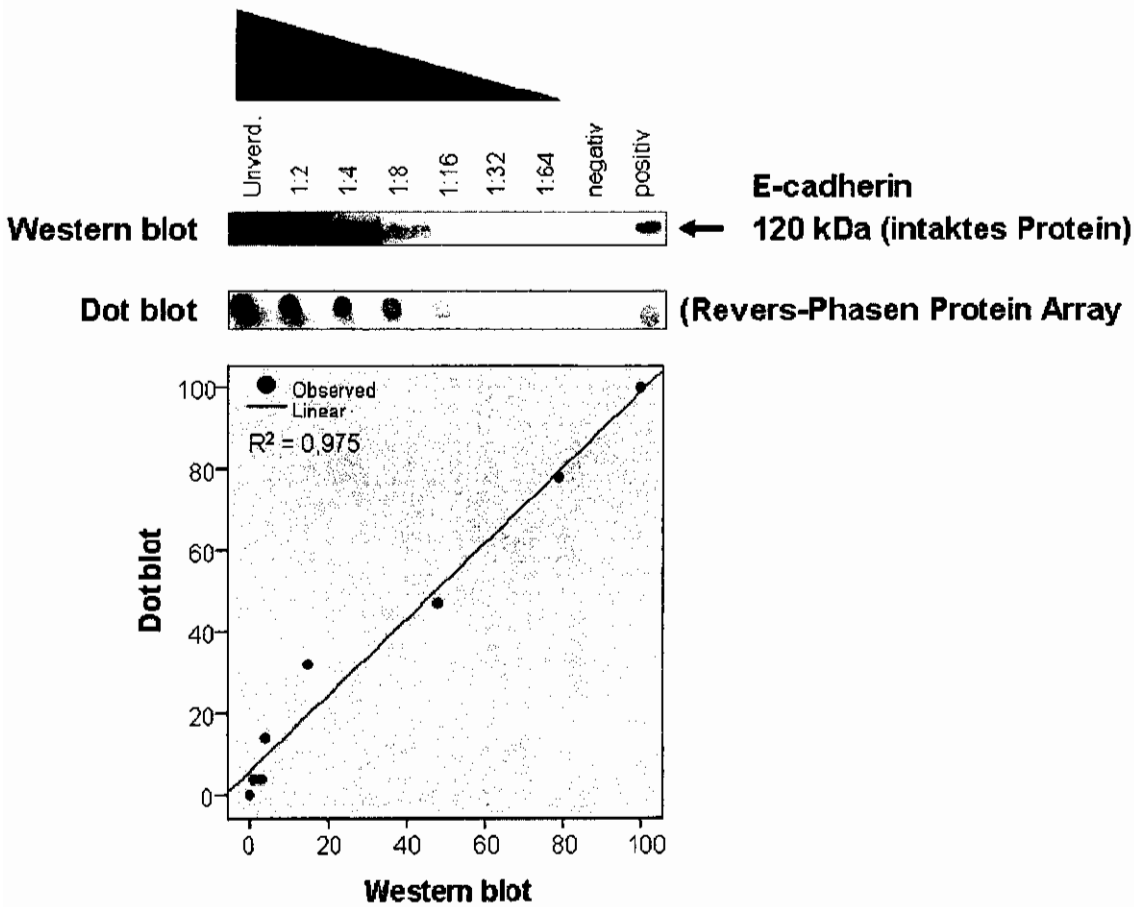
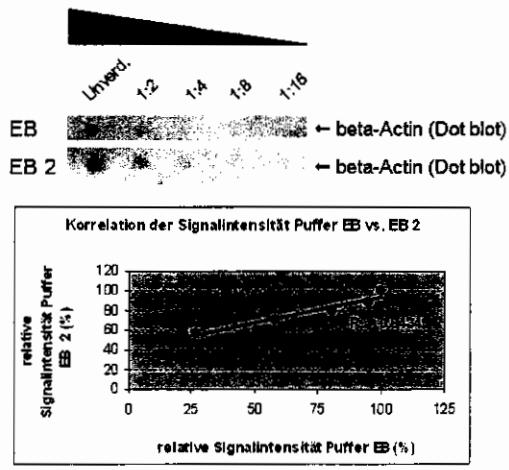
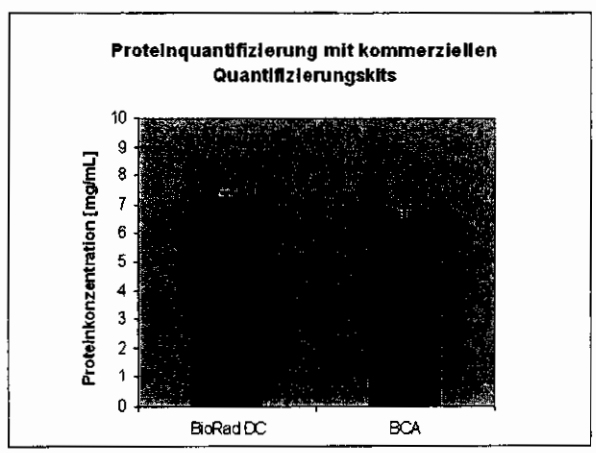

Unverd.
1:2
1:4
1:8
1:16
1:32
1:64
negativ
positiv
Western blot
E-cadherin
120 kDa (intaktes Protein)
Dot blot
(Revers-Phasen Protein Array
Observed
Linear
R² = 0,975
Dot blot
Western blot
0
20
40
60
80
100

FIG.5

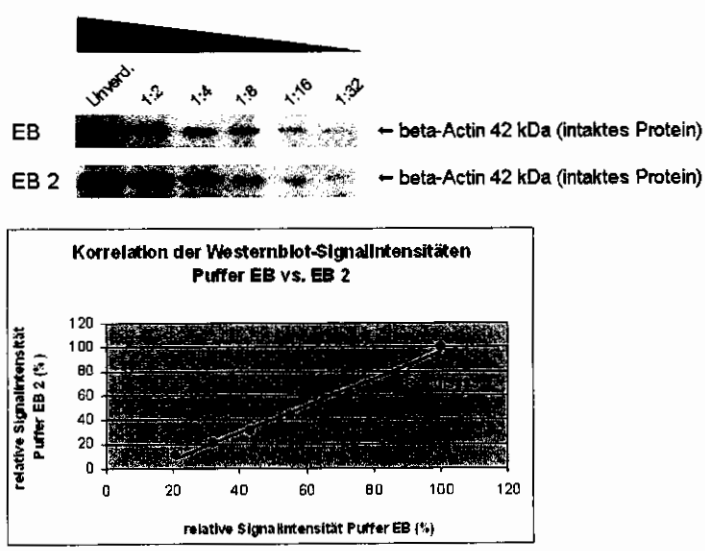
A


Unverd.
1:2
1:4
1:8
1:16
EB
← beta-Actin (Dot blot)
EB 2
← beta-Actin (Dot blot)
Korrelation der Signalintensität Puffer EB vs. EB 2
relative Signalintensität Puffer EB 2 (%)
120
100
80
60
40
20
0
0
25
50
75
100
125
relative Signalintensität Puffer EB (%)

B


Proteinquantifizierung mit kommerziellen Quantifizierungskits
Proteinkonzentration [mg/mL]
10
9
8
7
6
5
4
3
2
1
0
BioRad DC
BCA

C


Unverd.
1:2
1:4
1:8
1:16
1:32
EB
← beta-Actin 42 kDa (intaktes Protein)
EB 2
← beta-Actin 42 kDa (intaktes Protein)
Korrelation der Westernblot-Signalintensitäten Puffer EB vs. EB 2
relative Signalintensität Puffer EB 2 (%)
120
100
80
60
40
20
0
0
20
40
60
80
100
120
relative Signalintensität Puffer EB (%)

Korrelation der Signalintensität Puffer EB vs. EB2 = Correlation of the signal intensity buffer EB vs. EB2

relative Signalintensität Puffer EB 2(%) = Relative signal intensity buffer EB 2(%)

relative Signalintensität Puffer EB (%) = Relative signal intensity buffer EB (%)

Proteinquantifizierung mit kommerziellen Quantifizierungkits = Protein quantification with commercial quantification kits

Proteinkonzentration = protein concentration

Korrelation der Westernblot- Signalintensitäten = Correlation of the Western blot signal intensities