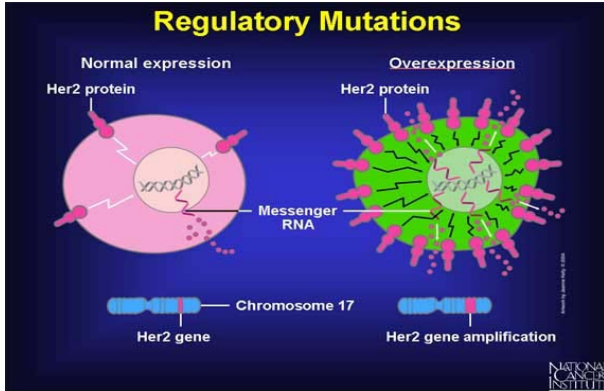


## HER2 UltraMAB® Antibody

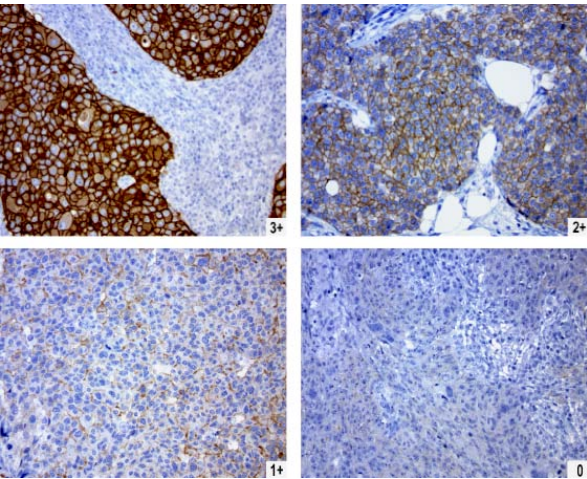
<b>SKU#</b>	UM500036 (100ul) & UM570036 (30ul)
<b>Clone Name</b>	UMAB36
<b>Target</b>	Homo sapiens erb-b2 receptor tyrosine kinase 2 (ERBB2), transcript variant 1
<b>Host</b>	Mouse
<b>Reactivity</b>	Human, Mouse, Rat, Monkey
<b>Tested Application</b>	IHC, IF, WB
<b>Dilution</b>	WB: 1:500, IHC: 1:100, IF: 1:100



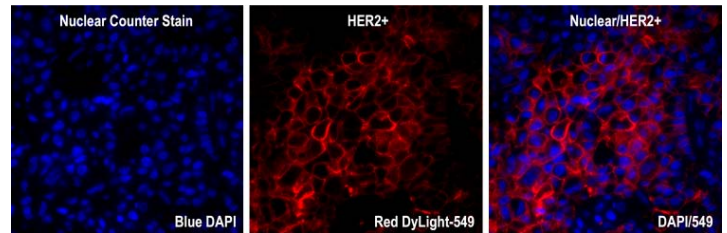
Cartoon depicting HER2 amplification at the protein and DNA level. HER2 gene encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases.

HER2 over-expression occurs in

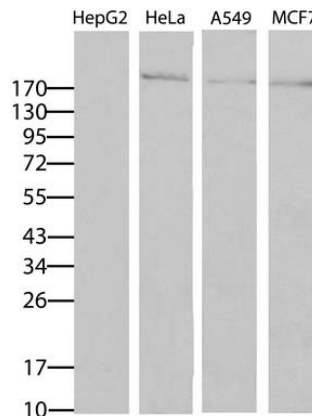
- 10-30% of all breast cancers
- 29% of gastric cancers
- 10% of lung cancers
- 18-61% of uterine cancers



The four panels show different levels of HER2 expression in FFPE human breast cancer. IHC was done on a breast cancer tissue microarray using mouse anti-HER2 clone UMAB36 (SKU# UM500036) monoclonal antibody (1:100). Anti-HER2 clone UMAB36 requires HIER pretreatment with Tris/EDTA pH 8.5 buffer for optimal staining. HER2 expression levels were evaluated by a board certified pathologist.



Immunofluorescence image of FFPE HER2+ breast cancer labeled with HER2 mouse monoclonal antibody clone UMAB36 (red, SKU# UM500036) and DAPI (blue) for nuclear staining.



Western blot analysis of HepG2, HeLa, A549, and MCF7 cell lines extracts (35ug per lane) using anti-HER2 antibody (clone UMAB36) at 1:500.

## Antibodies against commonly studied targets related to HER2 or breast cancer

Protein Name	Antibody Description	SKU
CD16 alpha	Rabbit Polyclonal Anti-FCGR3A (CD16 alpha) Antibody	TA350080
CTNNB1	Beta-Catenin (CTNNB1) mouse monoclonal antibody, clone UMAB15	UM500015
EGF	Anti-EGF Rabbit Polyclonal Antibody	TA324063
EGFR	EGFR mouse monoclonal antibody, clone UMAB95	UM500070
EGFR3/HER3	EGFR3/HER3/ERBB3 mouse monoclonal antibody, clone OTI2F11	
EGFR4/HER4	Rabbit Polyclonal Anti-EGFR4/HER4/ERBB4 Antibody	TA349275
ER (ESR1)	ESR1 (Estrogen Receptor 1/ER) mouse monoclonal antibody, clone OTI1B1	TA503759
ERBIN	Anti ERBIN / ERBB2IP / LAP2 (C-term) polyclonal antibody	AP31601PU-N
GRB2	Rabbit Polyclonal Anti-GRB2 Antibody	TA349332
HB-EGF	Anti HBEGF (Center) polyclonal antibody	AP52008PU-N
HSP90AA1	Rabbit polyclonal anti-HSP90AA1(HSP90) antibody, Loading control	TA332385
Ki67	Purified KI67 (MKI67) mouse monoclonal antibody, clone UMAB107	UM800033
LRG1	Rabbit polyclonal anti-LRG1 (A2GL) antibody	TA316028
p38 MAPK	Rabbit Anti-p38 MAPK (Thr180/Tyr182) Antibody (Phospho-Specific)	TA309206
MUC1	MUC1/EMA mouse monoclonal antibody, clone UMAB57	UM800008
NGR1	Rabbit Polyclonal Anti-Nogo (NGR1) Receptor	TA328650
p53	Purified P53 (TP53) mouse monoclonal antibody, clone UMAB62	UM500053
Phospholipase C	Anti-PHOSPHOLIPASE C / PLC polyclonal antibody	AP21376AF-N
PICK1	Rabbit Polyclonal Anti-PICK1 Antibody	TA350769
PICK3R5	PIK3R5 mouse monoclonal antibody, clone OTI5B1	TA505815
PLCG1	Anti-PLCG1 (phospho-Tyr771) Rabbit Polyclonal Antibody	TA322973
PR	PR (PgR) mouse monoclonal antibody, clone UMAB136	UM800037
PTEN	PTEN mouse monoclonal antibody, clone OTI6F10	TA805360
SHC1	Anti-SHC1 (SHC) mouse monoclonal antibody, clone OTI3A1	TA501056
SRC	Rabbit Polyclonal Src (Tyr529) Antibody (Phospho-specific)	TA325880
TGFalpha	Anti-TGFA Rabbit Polyclonal Antibody	TA323258
cd16alpha	Rabbit Polyclonal Anti-FCGR3A (CD16 alpha) Antibody	TA350080

For more antibodies, please visit  
[www.origene.com/products/antibodies](http://www.origene.com/products/antibodies)