ErbB2 (HER-2) Antibody Cocktail

Product Details	
Size	500 µL
Species Reactivity	Human
Published Species	Rat, Hamster, Cat, Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Cocktail
Type	Antibody
Clone	e2-4001, 3B5
Conjugate	Unconjugated
Immunogen	Cytoplasmic domain of recombinant human c-erbB-2/HER-2 oncoprotein (e2-4001) and a synthetic peptide from the C-terminus of human c-erbB-2 protein (3B5)
Form	Liquid
Concentration	150 µg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10977723

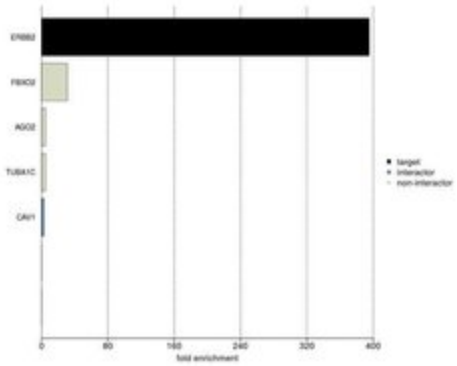
Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	36 Publications
Immunohistochemistry (IHC)	-	65 Publications
Immunohistochemistry (Paraffin) (IHC (P))	0.25-0.5 µg/mL	3 Publications
Immunocytochemistry (ICC/IF)	-	6 Publications
Flow Cytometry (Flow)	1:10-1:100	-
ELISA (ELISA)	-	1 Publication
Immunoprecipitation (IP)	2 µg/mL	5 Publications
Miscellaneous PubMed (Misc)	-	3 Publications

Product Specific Information

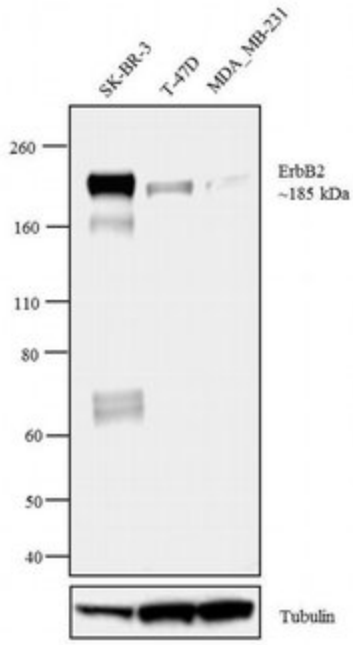
MA5-14057 targets HER-2 in IHC (P), IP, ICC/IF, FACS and WB applications and shows reactivity with Human samples.

The MA5-14057 immunogen is cytoplasmic domain of recombinant human c-erbB-2/HER-2 oncoprotein (e2-4001) and a synthetic peptide from the C-terminus of human c-erbB-2 protein (3B5).

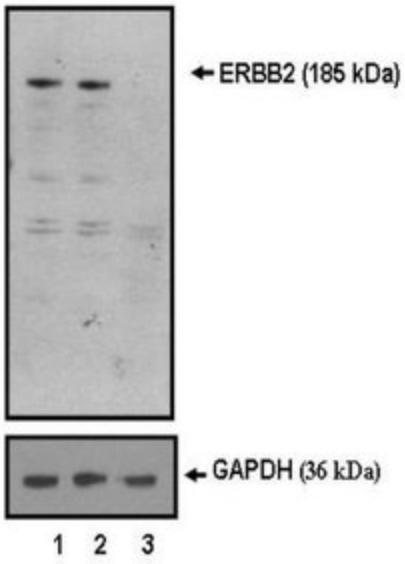
Advanced Verification Data



ErbB2 (HER-2) Antibody (MA5-14057)
IP-MS enrichment of ERBB2 (LFQ intensity): ERBB2 was enriched 395-fold from HCT116 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and ERBB2 antibody (Product # MA5-14057). The STRING database (www.string-db.org) was used to identify the protein interactor list. See more information on IP-MS verification of antibody selectivity. IP-MS validation info.



ErbB2 (HER-2) Antibody (MA5-14057)
Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. A higher level of expression of ErbB2 was observed in SK-BR-3 compared to T-47D and MDA-MB-231 using ErbB2 Monoclonal Antibody (Product # MA5-14057) in Western Blot. Relative expression validation info.



ErbB2 (HER-2) Antibody (MA5-14057)
The specificity of anti-ERBB2 Mouse monoclonal antibody (Product # MA5-14057) was demonstrated by siRNA knockdown. Western blot analysis of A549 extracts using this antibody showed decreased level of ERBB2 protein expression in cells transfected with ERBB2 specific siRNA (lane 3) but not in controls (lane 1 and 2). Knockdown validation info.

View more figures on thermofisher.com

119 References

Western Blot (36)

eLife

Repurposing of KLF5 activates a cell cycle signature during the progression from a precursor state to oesophageal adenocarcinoma.

"MA5-14057 was used in Western Blotting to use an integrative analysis of RNA-seq and ATAC-seq from Barrett's oesophagus (BO) and oesophageal adenocarcinoma (OAC) patient samples to uncover a cell cycle signature regulated by KLF5."

Authors: Rogerson C,Ogden S,Britton E,Ang Y,Sharrocks AD

Species
Human
Not Applicable

Dilution
1:1000
Not Cited

Year
2020

Cancer genomics & proteomics

Proteomic Profile of Sorafenib Resistance in Hepatocellular Carcinoma; GRP78 Expression Is Associated With Inferior Response to Sorafenib.

"MA5-14057 was used in Immunohistochemistry to study GRP78 as a biomarker for Sorafenib resistance in treating hepatocellular carcinoma."

Authors: Feng YH,Tung CL,Su YC,Tsao CJ,Wu TF

Species
Human

Dilution
Not Cited

Year
2020

View more WB references on thermofisher.com

Immunohistochemistry (65)

Cancer genomics & proteomics

Proteomic Profile of Sorafenib Resistance in Hepatocellular Carcinoma; GRP78 Expression Is Associated With Inferior Response to Sorafenib.

"MA5-14057 was used in Immunohistochemistry to study GRP78 as a biomarker for Sorafenib resistance in treating hepatocellular carcinoma."

Authors: Feng YH,Tung CL,Su YC,Tsao CJ,Wu TF

Species
Human

Dilution
Not Cited

Year
2020

Scientific reports

Differential effect of parity on rat mammary carcinogenesis after pre- or post-pubertal exposure to radiation.

"MA5-14057 was used in Immunohistochemistry to show parity protects against radiation-induced rat mammary carcinogenesis depending on the age at exposure; the mechanisms may involve changes in hormone levels and cancer tissue."

Authors: Takabatake M,Daino K,Imaoka T,Blyth BJ,Kokubo T,Nishimura Y,Showler K,Hosoki A,Moriyama H,Nishimura M,Kakinuma S,Fukushi M,Shimada Y

Species
Rat

Dilution
1:100

Year
2018

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More applications with references on thermofisher.com

IHC (P) (3) ICC/IF (6) ELISA (1) IP (5) Misc (3)